HAPP
CONTROLS

VENDING

2005-2006 CATALOG

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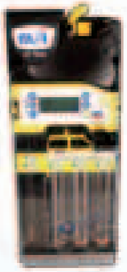
$10.00

INCREASE YOUR VENDING MACHINE PROFITS BY $3,000*.

Boost your revenues up to 15% and cut your payment-related service calls up to 80%.

MEI has paired the world's first coin manager with the proven power of MEI series 2000 bill acceptor. Results from independent research by Saint Joseph's University prove this combination of MEI products can increase sales up to 15%, reduce service calls up to 80% and cut the amount of coin float by half.

MEI CASHFLOW™ series 7512i



- **Virtually eliminates exact change** with change override, value float, automatic optimal par determination.
- **High reliability.** MEI engineers looked at every known failure to create this fail-safe design. When tested the design achieved the lowest failure rate and associated lifetime service costs. The design also allows the driver to clear debris on site without tools.
- **The product has a long service life,** typically over 10 years and is designed to handle 1,000,000 coins.
- **Instant Par.** Saves driver time when replenishing and parring the coins in the change tubes.
- **Sonar Audit.** Measures coins in each tube using sonar and reports the total value on the display.
- **Adapts to change.** Even if the machine relocates over time or prices change, the unit self adapts, adjusting the mix of coins stored in inventory. It even tells when a new configuration will boost sales.

MEI series VN2500 bill acceptor

- **Accepts consumers' bills,** even if they are worn, wet, dirty, torn, scrunched or wrinkled, eliminating consumer frustration.
- **High reliability.** Non-contact sensing means we don't touch the bill which results in far less wear, far less dirt accumulation, far longer life, far fewer jams.
- **4-way acceptance.** This unit accepts bills the way consumers insert them. Great for locations with children or international visitors.
- **Secure.** It's tuned to reject known counterfeits and mock-ups, and has an optical cross channel beam to detect string frauds. It's designed to keep on working even if salted. And for tough vandal locations, an optional chrome steel armored bezel is available.
- **Coupons for Promotions.** Both free vend coupons and $1, $5 value coupons are available. Why not let your sales and marketing team have some fun?

For the full MEI research report on how to increase your profit or to place an order call Happ Controls at 888-BUY-HAPP (289-4277) or visit us at happcontrols.com.

mei™

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* MEI returned over $3,000 more profit than alternative payment systems over a 7-year period, according to "The Effect of Payment Systems on Vending Profitability" St. Joseph's University: Center for Food Marketing, Erivan K. Haub School of Business.

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LAS VEGAS BRANCH

SOUTH CAROLINA BRANCH

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REPLACEMENT GAMING PARTS

- Keno Games
- Player Tracking Systems
- Slot Machines
- Video Poker Machines

REPLACEMENT VENDING PARTS

- Bill Changers
- Can & Bottle Machines
- Coffee Machines
- Cold Drink Machines
- Condiment Stands
- Cup Soda Machines
- Food Machines
- Glass Front Machines
- Ice Cream Machines
- Milk Machines
- Snack Machines

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- 7-Pin Tumbler Locks
- Inner Cylinder Locks

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- Authorized Midway Parts Board Repair

REPLACEMENT AMUSEMENT PARTS

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- Foosball Games
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- Jukeboxes
- Pinball Games
- Pool Tables
- Redemption Games
- Shuffleboard Games
- Soccer Games
- Video Games

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- Keno Pen Exchange
- Monitor Repair
- Optic Board Exchange

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- MEI Validator Repair
- Neotec Monitor Repair
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- Hoppers
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Le Pro
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Valley

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Everpure
GC/Waldom
Goo Gone
Happ Controls
Kester Solder
Krazy Glue
Krylon
Loctite
Mills
Mr. ZIP
Novus
Oil Eater
Sani-Tuff
Scott
Simple Green
Sun-Glo
Tech Spray

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WD-40
Wildcat

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Azkoyen
Coin Mechanisms Inc.
Happ Controls
Imonex
Industrias Lorenzo
Klopp International
Lynde-Ordway
Magner
NRI
Pap-R Products
Standard Change-Makers

Coin Doors

Entropy U.S.A.
Happ Controls
Wells-Gardner
Coin Controls
Industrias Lorenzo

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Happ Controls Shifters
Happ Controls Steering Wheels

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Eagle
Eveready
Gardner Bender
Hubbell
Lightwave
Maglite
Molex
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Rayovac
Santronics
Streamlight
Tripp Lite
Zippy

Electronics

NTE

Hoppers

Suzo

Joysticks & Trackballs

Happ Controls

Lighting

CEC
GE
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Sylvania

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Dunn Tonner
Dutro
Edsal
Escort
Lectro Truck
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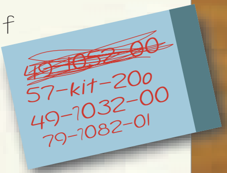

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INTRODUCTION

OUR MISSION

To establish Happ Controls as the premier provider of quality coin-operated parts, services and supplies in the world while maintaining our uncompromising principles as we grow.

The following principles will help us measure the appropriateness of our decisions:

We will:

- Provide a great Team based work environment and treat each other with respect and dignity.
- Apply the highest standards of excellence to the design, selection and quality of our products and services.
- Enthusiastically strive to exceed the expectations of our customers and employees.

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We test and retest the products we assemble and sell, to ensure the highest levels of quality. We constantly strive to improve the quality of our products and service.

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In an effort to maintain the ultimate in customer satisfaction, we bring you a new level of convenience with our web site. Through our web site you have access to our on-line catalogs, new products, monthly specials, and our ehapp on-line ordering system. The ehapp shopping cart system allows you to easily build a secure on-line order with current pricing and availability, 24 hours a day/7days a week. Other on-line benefits of ehapp include viewing the status or history of orders, easy duplication of previous orders, and e-mail notification with tracking information upon shipment of ehapp orders.

We ship quickly and accurately from our four distribution centers. Our friendly sales staff will gladly help you in English or in Spanish. Customer satisfaction is our first priority.

VALUE

Competitive everyday prices, and special low prices for volume buyers, or export customers.

INNOVATION

Our engineering team is constantly developing new products that lead the industries we serve. Cost reduction and product improvements are our goals.

Happ Controls is dedicated to the proposition that our customers are our most valuable resource. If we ever fail to satisfy you in any way, please call me personally.

Thank you for your business.

Tom Happ

Tom Happ, President

QUICK INDEX

INDEX 3
ACCESSORIES 192
BILL VALIDATORS 173
CLEANING & MAINTENANCE 97
COIN & CURRENCY SUPPLIES 162
CREDIT APPLICATION 287
ELECTRICAL SUPPLIES 17
LABELS 216
LIGHTING 7
MATERIAL HANDLING 147
ORDER FORM 288
SECURITY 113
TOOLS 53
VENDING PARTS 221
VIDEO SURVEILLANCE 135

QUICK INDEX

TERMS AND CONDITIONS

ORDER ACCEPTANCE

All orders are subject to approval at our headquarters in Elk Grove, Illinois. Order by phone, fax, and mail or via our web site at **www.happcontrols.com**.

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or Net 30 days (with approved credit). See page 287 for credit application.

When sending money in advance of shipping, please include money for shipping charges and your state sales tax, applicable in AZ, CA, CO, DE, FL, GA, IL, IN, KS, KY, LA, MI, MN, MS, NC, NJ, NM, NV, NY, OH, OK, PA, SC, TN, TX, VA, WA, WI.

All prices are net F.O.B. our docks, unless otherwise specified.

WIRE TRANSFER INFORMATION

Send wire transfer of funds to:

M & I Marshall & ILSLEY BANK
770 North Water Street
Milwaukee, WI 53201

Remit to:

HAPP CONTROLS, Inc.
BOX 88696
Milwaukee, WI 53288-0696
ABA 075000051
Account Number: 0032731457

1. Please include your company name and customer number for proper identification of sender, plus invoice number(s).
2. Please fax Happ Controls informing us of the date of your wire transfer, the amount of the transfer, and the invoices of orders you are paying. (Our Accounting Department fax number is 847-952-5931)
   Send it to the attention of **Accounts Receivable**.

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No merchandise will be accepted, or credit issued, without a proper Return Merchandise Authorization (RMA.) number. Send product to the attention of the Returns Department with the RMA number clearly visible on all boxes returned.

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RMA Numbers will expire 30 days from the date issued.

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All claims for shortage, damage, etc. must be made within ten business days.

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Prices in our catalogs and on our web site are subject to change without notice.

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If your order is under $25.00 there will be a $10.00 handling charge plus appropriate shipping charges and necessary taxes. Orders $25.00 and over will be charged a $5.50 handling fee plus appropriate shipping charges and necessary taxes.

TABLE OF CONTENTS

ACCESSORIES 192-215
BILL VALIDATORS 173-191
CLEANING & MAINTENANCE 97-112
COIN & CURRENCY SUPPLIES 162-172
ELECTRICAL SUPPLIES 17-52
LABELS 216-220
LIGHTING 7-16
MATERIAL HANDLING 147-161
SECURITY 113-134
TOOLS 53-96
VENDING PARTS 221-285
VIDEO SURVEILLANCE 135-146

INDEX

3-In-1 Tap Tool 58
3M Comnnectors 32
3M Double Sided Tape 98
3M Dual Lock Fastener 34, 99
3M Electrical Tape 98
3M Scotch Box Sealing Tape 98
3M Scotchgrip 10 Contact Adhesive 110
3M Spray Adhesive 110
4-In1 Pocket Driver Set 63

• A •

Abus Padlock 124
Accessories 192-215
Acid Brush 109
Adhesive Remover 107
Alarm System 134
All State Condiment Stands 210
Allen Hex Socket Drivers 60
Alligator Clip Set 93
All-Purpose Cleaner 100
All-Purpose Dolly 157
Amana Microwave Ovens 211-213
American Lock Company Hasps 125
American Lock Company Puck Lock 124
AMP Connectors 31-32
Anchor Plates 123
Anti-Static Foam 52
Appliance Cord 26
Ardac Changer Upgrade Kit 271
Ardac Rebuilding Kit 174
Ardac Replacement Parts 174
Automatic Product Motors 195
Automatic Products, Replacement
  Parts For 221-228

• B •

B&P Manufacturing Trucks 155, 157
Bad Air Sponge 112
Bag, Bank Deposit 171
Bag, Coin Hopper Fill 171
Bag, Money 169
Bags, Static Shield 52
Ballasts, Fluorescent Lamp 9-10
Bank Deposit Bags 171
Barge Cement 110
Basket, Collapsible 159
Batteries 38-39
Belts, Bill Validator 191
Belts, Lumbar Support 161
Bev-Air Temperature Controls 192
Bill Changer Upgrade Kits 186, 271, 273
Bill To Bill Exchangers 163
Bill Validator Belts 191
Bill Validator Labels 184-186
Bill Validator Service Center 173
Bill Validator Tester 172, 183-184
Bill Validators & Supplies 173-191
Bin Boxes 159-160
Blue Shower 106-107
Bolt Cutter 32, 57
Boltless Vending System 129, 215
Bolts, Carriage 96
Bottle, Plastic Spray 105
Brass Tags 123
Brass Tokens 168
Brawny Brute Hand Truck 153
Brush, Cleaning 108
Brush, Coffee Pot 108
Brush, Wire 108
Brushes 108-109
Brute Hand Truck 153
Bulbs 7-8, 11-16
Bulbs, Flashlight 38
Bulbs, Incandescent 16
Bulbs, Mini 14-16
Bulbs, Specialty 16
Bulbs, Sports Arena 11
Bulk Deleivery Carts 155
Burnisher, Metal 68
Burst Open Latch 233
Bussman Fuses 17-19
Butane Gas Refill 109
Butt Connectors 33

• C •

Cable 21-24
Cable Clamps 34
Cable Slitter / Stripper 23, 58
Cable Tester Kit 23
Cable Tie Assortment 35
Cable Tie Kit 35
Cable Tie Marking Pen 35
Cable Tie Mounting Pads 35
Cable Ties 34-35
Cable Ties, Velcro 99
Cables, Extension 31
Camera Housings 137
Camera Lenses 137
Camera Mounts 138
Camera Systems, Surveillance 141
Cameras, Video Surveillance 135-137
Camie Silicone Spray 109
Cams, Lock 117-118
Capacitor Wizard 89
Capacitors 45-47
Cardholder, ID 119
Carpet Stretcher 158
CashCode Bill Validators 176-177
CashCode EPROM Upgrades 177
CashCode Validator Mounting Kit 186
CashCode Validator Service Center 173
Caster Kit 233
CAT 5 Cable 23
CAT 5 Cable Stripper 23, 57
CAT 5 Jack 25
CAT 5 Tester 23
CAT 5E Coupler 23
CAT 5E Patch Cords 23
Caution Tape 98
Cavalier Temperature Controls 192
Cavalier, Replacement Parts For 229
Chain 123
Change Machines 162
Cherry Switches 40-43
Choice Vend Motor 195
Choice Vend, Replacement Parts For 229
Choker Chain 123
Christmas Tree Clip 233
Circuit Analyzer 40
Cleaning And Maintenance Supplies . . 97-112
Cleaning Cards 99-100, 189-190
Cleaning Swabs 108
Clear-A-Coin Stick 170
Coffee Machine Overlay 268
Coffee Mat Motor 196
Coffee Mat, Replacement Parts For 230
Coffee Pot Brush 108
Coffee Urn Cleaner 201
Coil Cleaner 104
Coin & Currency Handling Equipment 162
Coin Changer Tester 172, 183
Coin Counters 163-168
Coin Hopper Fill Bag 171
Coin Sorter 169
Coin Stacker Tubes 168
Coin Switches 41
Coin Wrappers 168
Cold Cathode Light Reflector Assembly 12
Cold Cathode Retrofit Lighting Kits 12
Cold Controls 192-194
Cold Shrink Tape 98
Collection Report Book 169
Compressed Air 105-106
Compressors 204
Condensation Pan 239
Condenser Fan Motors 199
Condiment Stands 210
Connectors, 3M 32
Connectors, AMP 31-32
Connectors, Butt 33
Connectors, Edge 33
Connectors, Fiber Optic 24
Connectors, Molex 29-30
Contact Cleaner 103, 106
Continuity Tester 39
Cooling Fans 28
Cooper Bussman Fuses 17-19

Corrugated Split Loom . . . 22
Cotter Pins . . . 95
Counting Meters . . . 205
Covers, Machine . . . 158
Crain Power Carpet Stretcher . . . 158
Crescent Tools . . . 55-56, 59
Crimp Terminals. . . . 32
Crimp Tool, EZ-RJ45 . . . 25
Crimping Tools. . . . 25, 32, 56-57
CSI/Speco Power Supply. . . . 66
CT2 Coin Changer & Validator Tester 172, 183
Cue Tip Cement . . . 110
Cuno Water Filters. . . . 203
Currency Authenticator . . . 169
Currency Bands . . . 168
Currency Counter . . . 169

• D •

Degreaser. . . . 111
Delivery Doors . . . 194
Desoldering Braid . . . 72
Desoldering Pumps . . . 70
Desoldering Tools . . . 76, 81-83
Detroit Solenoid Diaphram . . . 230
Devcon Epoxy . . . 111
Diodes . . . 47
DIP Extractor . . . 51, 57
Dixie Narco Lock Covers . . . 129
Dixie Narco Temperature Controls . . . 192-193
Dixie Narco, Replacement Parts For . . 231-241
Dolly, All-Purpose . . . 157
Drill Bit Set . . . 62
Drill Bits . . . 63
Driver Kit, Cordless . . . 68
Duct Tape. . . . 98
Dunn Tonner Truck . . . 156
Duo Cam Locks . . . 115
Dura Shield Cleaner And Polish . . . 100
Duracell Batteries. . . . 39
Dura-Driver Ratchet Kit . . . 59
Dutro Hand Trucks . . . 154-155

• E •

Eagle Plugs And Connectors. . . . 20
Easy-Lift Pool Table Mover . . . 157
Eclectic E-6000 Adhesive . . . 110
Edge Connectors. . . . 33
Edward Vacuum Cleaner. . . . 112
Electrical Plugs And Connectors . . . 19-20
Electrical Supplies. . . . 17-52
Electrical Tape . . . 98
Enviro-Duster, Compressed Air. . . . 105
Envi-Ro-Tech Duster . . . 106
Epoxy . . . 101, 111
EPROM Programmer . . . 51
EPROM Remover. . . . 51
EPROMs . . . 51
E-Rings . . . 96
Escort Hand Trucks . . . 153
ESD Field Service Kit . . . 52
Everpure Scale Clean. . . . 105
Everpure Water Filters. . . . 202
Eveready Flashlight . . . 38
Excell Batteries. . . . 39
Extension Cords . . . 26-27
Extraction Tools . . . 51, 57,68
E-Z Vend Wax And Oil Remover. . . . 105
EZ-Grip Puck . . . 64
EZ-RJ45 Connectors . . . 25
EZ-RJ45 Termination Kit . . . 25

• F •

Fan Motors. . . . 199
Fanny Pack . . . 170
Fasteners. . . . 94-96
Federal Padlock . . . 124
Fiber Optic Cable . . . 24
Fiber Optic Connectors . . . 24
Fiber Optic System Test Kits . . . 24
Fiber Optic Termination Kit. . . . 24
Fiber Optic Tool Kit . . . 24
Filter, Powerline . . . 35
Fin Comb . . . 204
Fittings, John Guest . . . 214-215
Flag Terminals . . . 32
Flashlight Bulbs . . . 38
Flashlights . . . 36-38
Flex-Ace Changing Key Parts . . . 117
Flex-Ace Inner Cylinder Locks . . . 117
Flexstone Files . . . 68
Fluke Multimeters . . . 92
Fluorescent Lamp Safety Sleeve . . . 8
Fluorescent Lamp Starters. . . . 10
Fluorescent Lamp, Circline . . . 8
Fluorescent Lamps . . . 7-8
Fluorescent Light Fixture . . . 8
Fluorescent Work Lamp. . . . 62
Flux Remover. . . . 106, 108
Flux-Pen . . . 72
Fork Terminals . . . 33
Fort Locks. . . . 116
Freezer, Envi-Ro-Tech . . . 107
Fuse Blocks . . . 19
Fuse Puller . . . 18
Fuse Rack . . . 18
Fuseholder . . . 19
Fuses . . . 17-19

• G •

Gaffers Tape. . . . 97
GangPro-848 EPROM Programmer . . . 51
Gator Grip Universal Socket Kit. . . . 53
Gauges, Pressure . . . 199
Gematic Type Locks . . . 116
Gemini Hand Trucks. . . . 147-148
Gemini playfield Cleaner. . . . 104
Genesis Panel. . . . 204
Glass Cleaner . . . 100
Glass Filiment Tape . . . 98
Glove Pouches . . . 67
Glue Gun, Weller . . . 68
Glue Sticks . . . 68
Goo Gone . . . 110
Graphite . . . 109
Guardian Hasps . . . 130-131
Gun, Heat. . . . 53

• H •

Hakko Soldering Equipment . . . 73-77
Hamilton Changer Upgrade Kit. . . . 271
Hammers . . . 62
Hand Trucks And Accessories . . . 147-160
Happ Controls All-Purpose Cleaner . . . 100
Happ Controls Aspen Elite Flashlight . . . 38
Happ Controls Bill Validator Service Center 173
Happ Controls Cleaning Cards . . . 99
Happ Controls Coil Cleaner . . . 104
Happ Controls Coin Counters . . . 163-165
Happ Controls Dollar Bill Cleaning Cards. . 189
Happ Controls Enviro-Duster . . . 105
Happ Controls E-Z Vend Wax And
  Oil Remover . . . 105
Happ Controls Glass Cleaner . . . 100
Happ Controls Lock Department . . . 114
Happ Controls Locks . . . 115
Happ Controls Plexi-Clean . . . 100
Happ Controls Screwdrivers . . . 63
Happ Controls Spray Adhesive . . . 110
Happ Controls Spray Paint . . . 97
Happ Controls Stainless Steel Cleaner . . . 104
Happ Controls Vandal Mark Remover . . . 100
Hasp For Standard Change-Makers . . . 128
Hasps . . . 124-131
Heat Gun . . . 53, 93
Heat Shrink Tubing . . . 22
Hex Key Sets . . . 64
Hi-Jack A-1 Sign Jack Lift . . . 158
Hook-Up Wire . . . 22
Hubbell Plug And Connector . . . 19
Hus-Key . . . 119
Hydro Life Water Filters. . . . 201

• I •

Ice Machine Cleaner . . . 105
ICT Bill Validators . . . 174-175
ICT EPROM Upgrades. . . . 175
Imonex Coin Mech . . . 170
Integrated Circuit Sockets . . . 51
Integrated Circuits . . . 49-50
Interlock Switches . . . 40
Isopropyl Alcohol. . . . 108

• J •

Jack Assembly, Modular . . . 25
John Guest Fittings . . . 214-215

• K •

Kep Nuts . . . 95
Kessler-Ellis Meters . . . 172
Kester Flux-Pen . . . 72
Kester Solder Spool. . . . 71
Key Holder, Tubular. . . . 123
Key Reels, Key-Bak. . . . 120-121
Key Ring, Quick Release . . . 119
Key Rings . . . 119, 122-123
Key Safe, Okay's . . . 122
Key-Bak Products . . . 119-121
Klopp Coin Counters . . . 166-168
Knife, Utility . . . 66
Kodicom Digital Video Systems. . . . 142-146
Krazy Glue . . . 111
Kroy Thermal Printer . . . 209
Krylon Spray Paint . . . 97
Kwik-Koin Coin Dispensers . . . 170

• L •

Label Remover. . . . 107
Label, “For Service Call" . . . 185
Label, "No Refund" . . . 185
Label, "Out Of Order" . . . 185
Label, "Repair In Progress" . . . 219
Label, "Validator Out Of Order" . . . 219
Label, "Warning" . . . 185
Labels . . . 216-220
Labels, Bill Validator . . . 184-186
Labels, Price . . . 216-220
Lamp, Clamp-On . . . 38
Lamp, Fluorescent Work Lamp . . . 62
Lamps . . . 7-8, 11-16
Lamps, Incandescent . . . 16
Lamps, Mini. . . . 14-16
Lamps, Specialty . . . 16
LanRoverPRO CAT 5 Tester . . . 23
Lectro Truck Slot Machine Mover . . . 155
Lectro Truck Stair Climbing System . . . 154

LED Flashlights ... 36-38
LED Insertion Tool ... 13
LED Light Board ... 11
LEDs ... 13, 48
Leg Leveler Mounting Plate ... 205
Leg Levelers ... 205
Lenses, Camera ... 137
Lift Handle Set ... 129
Light Emitting Diodes ... 48
Light Fixture ... 8
Lighting Supplies ... 7-16
Lightwave LED Flashlights ... 37
Line Cord ... 22
Lock Cams ... 117-118
Lock Covers ... 129
Lock Covers, Dixie Narco ... 234
Lock Rings, Color Coded ... 122
Lock Spacer Collars ... 122
Lockout Device, National 222 ... 205
Lockout Switch Assembly ... 234
Locks ... 115-117, 124-125
Loctite 242 Threadlocker ... 111
Lubriplate ... 109
Lufkin Tape Measure ... 68
Lumbar Support Belts ... 161

• M •

Machine Covers ... 158
Mag Stripe Reader Cleaning Card ... 99
Magliner Hand Trucks ... 147-152
Maglite Flashlights ... 37
Magna Whatcha-Callit Kit ... 65
Magner Coin Sorter ... 169
Magner Currency Authenticator ... 169
Magner Currency Counter ... 169
Magnetic Pick-Up Tool ... 55
Magnetic Switches ... 42
Mars Bill Validators ... 178-183
Mars Coin Changers ... 182-183
Mars EPROM Upgrades ... 180
Mars Validator Label Set ... 184
Mars Validator Mounting Kits ... 186
Masking Tape ... 98
Master Lock Hasp ... 124
Master Lock Padlocks ... 125
Material Handling ... 147-160
Meck Protector ... 184
Medeco Removable Core Cam Locks ... 116
MEI Bill Validators ... 178-183
MEI Cashflow Series 7000 Changer ... 182
MEI EPROM Upgrades ... 180
MEI Validator Service Center ... 173
Metal Burnisher ... 68
Meters, Counting ... 172
Microfiber Cleaning Cloths ... 101
Microwave Ovens, Amana ... 211-213
Millennium Padlock ... 124
Mills Playfield Cleaner ... 104
Mini Lamp Sockets ... 15
Mini Lamps ... 14-16
Mini-Max Vendor Heater ... 201
Molex Connectors ... 29-30
Molex Extractor Tools ... 29, 68
Molex Pins ... 29-30
Momentary Contact Switch ... 205
Momentary Switch ... 41
Money Bag ... 169
Monitor Exrension Cable ... 31
Monitors, Surveillance ... 138
Motors ... 195-199
Moving Pad ... 158
Mr. Zip Graphite ... 109
Multimeters ... 91-92
Multiplexers ... 140-141

• N •

National 222 Lockout Device ... 205
National Changetron Upgrade Kits ... 271
National Shoppertron Shelf Liners ... 250
National Vendors Cold Control ... 193
National Vendors Motors ... 196
National Vendors, Replacement
  Parts For ... 242-255
Nickel Safe Ice Machine Cleaner ... 105
Nortech Pool Table Mover ... 157
Novus Cleaner And Polish ... 104
NTE Multimeter ... 92
NTE Semiconductors ... 44
Nutdriver Sets ... 61-62
Nutdrivers ... 61-62
Nuts ... 95

• O •

Oil Eater Cleaner ... 111
Oil Eater Hand Cleaner ... 103
Oiler, Zoom Spout ... 109
Okay's Key Safe ... 122
On-Off Button ... 41
Orange Wood Stick ... 170
O-Ring Kit ... 199
Overlays, Rowe Bill Changers ... 186, 272

• P •

Pace Soldering Equipment ... 78-86
Pack-N-Roll Cart ... 155
Pad, Moving ... 158
Padlocks ... 124-125
Paint, Spray ... 97
Paper Towels ... 102
PCB Support Spacers ... 34
Piggy-Back Terminal ... 33
Pinball Cart ... 156
Pinball Hasp ... 126
Platform Truck ... 157
Platt Tool Cases ... 59
Playfield Cleaner ... 102
Plexi-Clean Cleaner And Polish ... 100
Pliers ... 54-55, 57-58
Plugs And Connectors, Electrical ... 19-20
Plumb Hammers ... 62
Portasol Soldering Kit ... 69
Power Cords ... 26-27
Power Strips ... 27
Power Supply, 12 Volt DC ... 136
Power Supply, 24 Volt AC ... 141
Power Supply, General Purpose ... 66
Powerline Filters ... 35
Prep Pads ... 107
Procart Utility Cart ... 157
Procell Batteries ... 39
Protect-A-Lamp Safety Sleeve ... 8
Prowick Desoldering Braid ... 72
PS/2 Extension Cable ... 31
Puck Lock Hasp ... 124
Puck Locks ... 124
Punchdown Tool ... 25

• Q •

Quad, Channel ... 139
Quantum Bins ... 160-161
Quick Disconnect Terminals ... 33
Quik Stik Epoxy ... 101

• R •

Ratchet Tie-Downs ... 159
Rayovac Flashlight ... 38
Razor Blade Holder ... 66, 97
Razor Blades ... 66, 97
Refrigeration Assemblies ... 204, 237
Resistors ... 48-49
Retract-A-Badge ID Cardholder ... 119
Ring Terminals ... 33
Rip-Tie Cablecatch ... 35
Rivets ... 96
RJ11 Duplex Adaptor ... 25
RJ45 Connectors ... 25
RJ45 Plug ... 25
RMI Coffee Machines, Replacement Parts For .
  256-268
RMI Motors ... 196-197
Roll Pins ... 95
Rope Lighting ... 11
Rowe Bill Changer Overlays ... 272
Rowe Bill Changer Parts ... 190
Rowe Bill Changer Rebuilding Kits ... 188-189
Rowe Changer Upgrade Kits ... 271, 273
Rowe Cold Control ... 193
Rowe Doors ... 276
Rowe Hopper Motor ... 273
Rowe Motors ... 197-198
Rowe Shelf Liners ... 275, 276
Rowe, Replacement Parts For ... 269-279
Royal Vendors Cold Control ... 194
Royal Vendors Lock Cover ... 129
Royal Vendors, Replacement Parts For 280-283
Rubber Cleaner ... 102

• S •

Safes ... 132
Safety Glasses ... 66
Safety Sleeve, Fluorescent Lamp ... 8
Safety Tape ... 98
Sani-Tuff Waterless Wipes ... 102
Santronics AC Sensor ... 39
Sargeants Crimping Tool ... 32, 56
Sash Chain ... 123
Scale Clean ... 105. 202
Scotchlok Connectors, 3M ... 32
Scot's Citrus Clean Remover ... 108
Screwdriver Bits ... 65
Screwdriver Set, Jewelers ... 63
Screwdriver Tool Set ... 62
Screwdriver, Hi-Voltage Testing ... 40
Screwdriver, Magnetic ... 65
Screwdrivers ... 63-64
Screws ... 94
Secure-A-Key ... 119
Security Products ... 113-134
Security Rings ... 122
Seizers ... 57
Sencore Test Equipment ... 86-89
Shears, Electronic ... 54
Shears, Industrial ... 57
Shelf Bins ... 159-160
Shelf Liners ... 200
Showcase Sliding Lock Assembly ... 118
Sign Jack Lifts ... 158
Silicone Spray ... 103, 109
Simple Green Cleaner ... 108
Slam Nut Assembly ... 133
Slate Lifter Kit ... 159
Smoke Absorber, Hakko ... 77
Smoke Dectector Camera ... 136
Snap Switches ... 41-43
Snips, Electronic ... 57
Socket Tool Set ... 53

Sockets, Mini Lamps . . . 15
Sold Out Lamps, Dixie Narco . . . 241
Solder Pen . . . 71
Solder Pencil . . . 71
Solder Popper . . . 70
Solder Spool. . . . 71
Soldering Equipment . . . 69-86
Soldering Gun . . . 70
Soldering Irons. . . . 69, 73
Spider Power Cord . . . 26
Spiral Cut Wrap . . . 22
Sports Arena Bulbs . . . 11
Spray Adhesive . . . 110
Spray Bottle, Plastic . . . 105
Spray Paint . . . 97
Spring Hook And Scribe . . . 68
Spur Washer. . . . 123
Squeak'N Clean Coffee Pot Cleaner. . . . 105
Stainless Steel Cleaner. . . . 104
Standard Change-Makers Change
  Machines . . . 162-163
Star Bit Set . . . 66
Starters, Fluorescent Lamp . . . 10
Static Shield Bags . . . 52
Stevens Hand Trucks . . . 153
Streamlight Flashlights. . . . 36
Stretch Wrap . . . 159
Sun-Glo Shuffleboard Wax . . . 103
Super Adhesive . . . 101
Surge Protectors . . . 27-28
Swabs, Cleaning . . . 108
Switch Holders . . . 40
Switch Locks. . . . 117
Switch, Momentary Contact . . . 205
Switcher, Channel . . . 139
Switches . . . 40-43
Switches, Interlock . . . 40

• T •

Tap And Drill Set . . . 63
Tap Splices . . . 32
Tape . . . 97-99
Tape Dispenser . . . 98
Tape Measure . . . 68
Tape Remover . . . 102
Tapes, VHS. . . . 138
T-Bolts . . . 233
TechSpray Products . . . 24, 52, 72, 106-107
Teflon Pipethread Tape. . . . 97
Telescoping Mirror. . . . 55
Temperature Controls . . . 192-194
Tergo Microfiber Cleaning Cloths. . . . 101
Terminals. . . . 29-33
Test Equipment . . . 86-93
Test Lead Sets . . . 93
T-Handle Kits . . . 134
T-Handle Lock Covers . . . 129
T-Handles . . . 133-134
T-Handles, Dixie Narco . . . 234
Thermal Printer. . . . 209
Thermal Printer Cleaning Cards . . . 99
Thermal Printer Clean-Penn. . . . 99
Thermometer, Hakko. . . . 74
Thermometers . . . 199
Third Hand With Magnifier . . . 58
Threaded Studs, T-Handle . . . 134
Toggle Switches. . . . 40
Tokens, Brass . . . 168
Tool Bags . . . 59
Tool Cases . . . 59
Tool Holders. . . . 67
Tool Kit, Anti-Static . . . 52
Tool Kit, Color TV Alignment . . . 53
Tool Kit, Electronic. . . . 52, 59
Tool Kit, Fiber Optic . . . 24
Tool Pouches . . . 67
Tools . . . 53-96
Torx Wrenches . . . 65
Touchdown Cleaner . . . 103
Towels . . . 102
TPI Multimeters . . . 91
Transistors . . . 47
Triacs . . . 48
Trim, Replacement . . . 206-208
Tripp-Lite Surge Suppressors . . . 27
True Cooler Cold Control . . . 194
True Cooler Shelf Clip . . . 199
Tubing, Heat Shrink . . . 22
Tubing, PVC. . . . 209
Tufoil Lubit 8 . . . 109
Tweezers . . . 55
Twillwipes. . . . 107

• U •

U-Lift Pool Table Mover. . . . 157
Urn Cleaner . . . 105, 201
USB Extension Cable . . . 31
Utility Cart . . . 157
Utility Knife . . . 66
Utility Knife Blades . . . 66

• V •

Vacuum Cleaner. . . . 112
Validator Belts . . . 191
Validator Labels . . . 184-186
Validator Mounting Kits. . . . 186
Valve Kit . . . 209
Van Inner Cylinder Lock. . . . 117
Vandal Mark Remover . . . 100
Velcro . . . 34, 99
Vend Doors . . . 194
Vendo Cold Controls. . . . 194
Vendo, Replacement Parts For . . . 284-285
VHS Tapes . . . 138
Video Cassette Recorders . . . 139
Video Surveillance Equipment. . . . 135-146
Video Systems, Kodicom Digital . . . 142-146
Vinyl . . . 204
Voltage Tester, Screwdriver. . . . 40

• W •

Waffle-Style Cleaning Cards . . . 100
Walkie-Talkie LAN Cable Tester Kit . . . 23
Wallets . . . 169-170
Washer, Spur . . . 123
Washers. . . . 95-96
Washers, Flat . . . 95
Washers, Star Lock. . . . 96
Water Filters . . . 201-203
Wax And Oil Remover. . . . 105
WD-40 . . . 109
Web Belts. . . . 156
Weller Glue Gun . . . 68
Weller Soldering Equipment . . . 69-72
Wesco Folding Trucks . . . 156
Wesco Slot Machine Mover. . . . 155
Whisk Broom . . . 108
Whisk Brush . . . 109
Wildcat Cleaners. . . . 102-103
Wire. . . . 21-24
Wire Brush . . . 108
Wire Connectors . . . 22
Wire Dispener Kit. . . . 32
Wire Stripper . . . 32, 57-58
Wire Wrap . . . 22
Wire, Hook-Up . . . 22
Wiss Shears . . . 57
Work Lamp, Fluorescent . . . 62
Wrench. . . . 56
Wrist Coil . . . 122
Wrist Strap Kit . . . 52
Wypall Wipers . . . 102

• X •

Xcelite Tools . . . 53-58, 60-64

• Z •

Zoom Spout Oiler . . . 109

ADVERTISER INDEX

HAPP CONTROLS LINE CARD	C1-C2
CHERRY CORPORATION	C3
VENDING TIMES	C4
ICT	C5
BILL VALIDATOR REPAIR	C6
AUTOMATIC MERCHANDISER	C7
TOP REASONS TO ORDER FROM HAPP CONTROLS	C8

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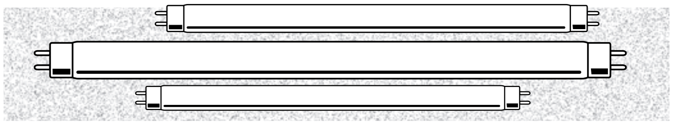

Part Number	Fluorescent	Watts	Length	Case Qty.	Price per ea. L/1 Case	Price per ea. L/3 Cases
91-3000-00	F4T5/CW	4	6"	25	2.85	2.50
91-3001-00	F6T5/CW	6	9"	25	2.60	2.10
91-3002-00	F8T5/CW (Philips)	8	12"	25	2.00	1.85
91-3002-01	F8T5/CW (Sylvania)	8	12"	24	2.85	2.20
91-1238-00	F8T5/BLB	8	12"	24	11.20	10.55
91-3004-00	F13T5/CW	13	21"	24	4.80	4.20
91-3005-00	F13T8/CW	13	12"	24	6.25	5.70
91-0192-00	F13.5T8/CW	13.5	12"	50	3.55	3.25
91-3006-00	F14T8/CW	14	15"	24	3.25	2.95
91-3006-01	F14T8/CW (Sylvania)	14	15"	24	3.35	3.10
91-1113-00	F14T12/CW	14	15"	30	3.35	2.95
91-3008-00	F15T8/CW (Philips-Alto)	15	18"	24	1.85	1.70
91-3008-04	F15T8/CW (Philips-Not Alto)	15	18"	96	1.10	1.05
91-3008-01	F15T8/CW (Sylvania)	15	18"	24	3.10	2.50
91-3008-02	F15T8/CW (GE)	15	18"	24	1.75	1.65
91-3042-00	F15T8/D	15	18"	24	3.15	2.50
91-3018-00	F15T8/BLB	15	18"	6	8.45	7.25
91-3043-00	F15T12/D	15	18"	30	4.40	3.20
91-0911-00	F15T12/CW	15	18"	6	4.05	3.45
91-0183-00	F017/865XP/ECO	17	24"	30	4.40	4.15
91-3009-00	F18T8/CW/K/24 F24T8/CW/4	18	24"	24	3.35	2.70
91-3010-00	F18T8/CW/K/26 F26T8/CW	18	26"	24	3.50	2.85
91-3011-00	F18T8/CW/K/28 F28T8/CW/4	18	28"	24	2.95	2.65
91-3012-10	F18T8/CW/K/30 F30T8/CW/4	18	30"	24	3.10	2.75
91-0652-00	F20T12/BLB	20	24"	6	14.80	14.10
91-0097-00	F20T12/CW/21"	20	21"	30	5.20	4.95
91-0088-00	F025/741 (T8)	25	36"	30	4.95	4.35
91-3014-00	F20T12/D	20	24"	30	3.95	3.35
91-3015-00	F20T12/D/22	20	22"	30	4.55	3.95
91-0652-00	F20T12/BLB	20	24"	6	14.80	14.10
91-3013-00	F20T12/CW (Alto)	20	24"	30	2.85	2.20
91-0669-00	F22T8/D/24	18	22"	24	4.15	3.85
91-0655-00	F25T8/SPX30	25	36"	24	7.15	6.60
91-3016-00	F25T12/D/28	25	28"	24	4.10	3.50
91-3017-00	F25T12/CW/28	25	28"	24	3.20	2.95
91-3039-00	F25T12/CW/30	25	30"	24	3.35	3.10
91-0666-00	F25T12/WW/33	25	33"	24	8.85	8.05
91-3020-00	F25T12/CW/33	25	33"	30	3.80	3.25
91-3025-00	F25T12/D/33	25	33"	30	3.95	3.35
91-0931-00	F26T8/CW/4	19	26"	24	4.85	4.70
91-3021-00	F30T8/CW	30	36"	24	2.95	2.65
91-0115-00	F30T8/D	30	36"	24	3.85	3.85
91-0203-00	F30T8/BLB	30	36"	24	3.85	3.85

Part Number	Fluorescent	Watts	Length	Case Qty.	Price per ea. L/1 Case	Price per ea. L/3 Cases
91-3022-00	F30T12/CW/RS	30	36"	30	2.55	2.40
91-3023-00	F30T12/D/RS	30	36"	30	2.65	2.40
91-3024-00	F32T8/SP41	32	48"	36	5.15	4.90
91-0200-00	F32T8/SP65	32	48"	36	5.15	4.90
91-3026-00	F35/CW/U3	35	24"	12	8.95	7.95
91-1185-00	F36T12/CW/SP	30	36"	30	8.75	8.15
91-3051-00	F40T8/SP41	40	60"	24	7.20	6.70
91-3050-00	F40T10CW	40	48"	25	7.95	7.25
91-0958-00	F40BLB	40	48"	6	16.00	13.85
91-3027-00	F40/CWX* (T-12)	40	48"	30	2.50	1.90
91-3028-00	F40DX** (T-12)	40	48"	30	2.60	2.00
91-0955-00	F42T6/CW/SP	25	42"	24	14.20	12.85
91-1188-00	F42T12/CW	36	42"	24	10.40	9.80
91-3052-00	F48T12/D-SP	40	48"	30	4.90	4.30
91-1243-00	F60T12/CW	50	60"	30	6.60	6.05
91-3029-00	F60T12/D-SP	50	60"	15	4.45	3.90
91-0668-00	F64T12/CW	50	64"	30	5.15	4.50
91-3030-00	F64T12/D-SP	52	64"	30	4.15	3.65
91-3031-00	F72T12D-SP (Alto)	55	72"	15	4.10	3.85
91-3032-00	F72T12/CW-SP	56	72"	15	5.70	5.00
91-3033-00	F96T12/CW-SP***	60	96"	15	6.15	5.55

*Replacement for F40CWI **Replacement for F40DI ***F96 lamps shipped by truck only

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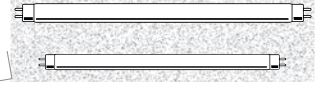

Part Number	Fluorescent	Watts	Length	Case Qty	Price per ea. L/1 Case
91-3000-10	F4T5CW	4	6"	100	1.55
91-3001-10	F6TSCW	6	9"	50	1.45
91-3002-10	F8T5CW	8	12"	50	1.55
91-0011-10	F10T8CW	10	14"	25	1.95
91-0023-00	F14T8CW	14	15"	25	2.35
91-3042-10	F15T8DW	15	18"	25	2.25
91-3008-03	F15T8CW	15	18"	25	1.15

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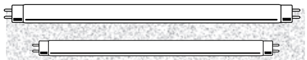

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CAUSED DURING SHIPMENT
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Part Number	Fluorescent	Watts	Length	Case Qty.	Price per ea. L/1 Case	Price per ea. L/3Cases
91-1175-00	F24T12/CW/HO	35	24"	24	6.50	5.95
91-0077-00	F36T12/CW/HO	45	36"	30	8.75	8.15
91-0909-00	F48T12/CW/HO	60	48"	24	6.05	5.30
91-0672-00	F48T12/D/HO(Alto)	60	48"	15	5.15	4.75
91-0908-00	F60T12/CW/HO	75	60"	30	7.30	6.75
91-3034-00	F64T12/CW/HO	80	64"	15	7.50	6.35
91-3035-00	F64T12/D/HO	80	64"	15	7.10	6.75
91-3036-00	F72T12/D/HO	85	72"	15	5.45	4.60
91-0022-00	F72T12/CW/HO	85	72"	15	5.25	4.80
91-3040-00*	F96T12/CW/HO/CT	110	96"	15	6.30	5.70

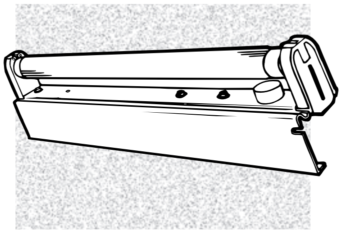
*F96 lamps shipped by truck only

LAMP SELECTION GUIDE

Bulb Diameter	T5=5/8", T8=1", T10=1-1/4", T12=1-1/2"
Base	MDB= Medium Bi Pin, MNB=Miniature Bi Pin, SP Pin=Single Pin, RDC=Recessed Double Contact
Length	Measure full length from pin tips
Type	BLB =Black Light Blue HO= High Output. For use in outdoor signs. Starter required CW = Cool White D = Daylight IS = Instant Start. Slimline type with 1 pin. No starter required PH = Preheat. Requires starter PH-RS = Preheat Rapid Start. May be used with or without starter RS = Rapid Start. No starter required UBENT = U shaped lamp WW = Warm White

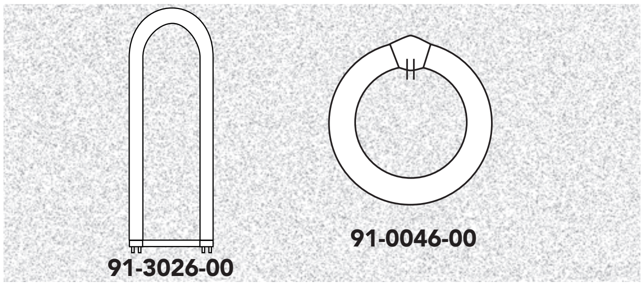
FLUORESCENT LIGHT FIXTURE

- This popular lamp fixture easily mounts anywhere. Ideal for video game marquee.
- Pre-wired with everything needed to illuminate an area. Includes starter, ballast and sockets
- Includes F15T8/CW fluorescent lamp on 49-1001-00 & 49-1001-240V



Part Number		Price per ea.	L/12
49-1001-00	Fluorescent Lamp assy. complete 120V with F15T8 Lamp	19.30	16.30
49-4027-00	Fluorescent Lamp assy. 120V w/o Lamp For 24" Lamp	19.20	16.15
49-1001-240V	Fluorescent Lamp assy. 240V 50Hz with F15T8	35.45	29.30

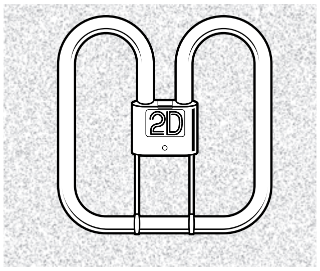
MOD-U-LINE/CIRCLINE FLUORESCENT LAMPS



Part Number		Watts	Length	Case Qty.	Price per ea. L/1 Case
91-3026-00	F40CW/U/3	40	24"	12	8.95
91-0159-00	FC6T9/CW/RS	22	6.5"	12	7.45
91-0046-00	FC8T9/CW	22	8.25" dia.	12	7.95
91-0099-00	FC12T9/CW/RS	32	12" dia.	12	8.35
91-0088-00	FO25/741(T8)	25	36"	30	4.95

PLUG-IN COMPACT FLUORESCENT LAMP

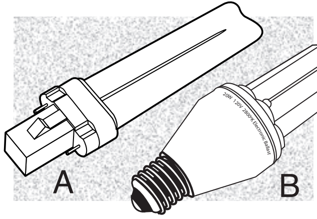
- Replaces 150-Watts incandescent lamp
- Flat profile makes a perfect choice for slim, attractive luminaries
- Works great on either wall or ceiling applications
- 8" x 8" x 1"
- 4 pin plug-in lamp socket



Part Number		Watts	Price per ea.	L/20
91-0918-00	F38/2D/827/4P	5	23.30	20.95

COMPACT FLUORESCENT LAMPS

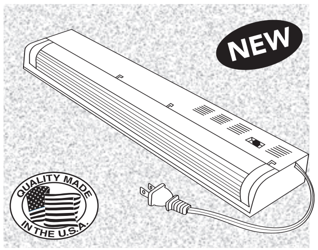
- Energy and space saving compacts for the new model machines
- Radiates equal amounts of light as traditional fluorescent, in a fraction of the space
- American made



Part Number	Style	Fluorescent	Watts	Price per ea.	L/10
91-3037-00	A	F5 Compact, 2700K	5	4.20	3.95
91-3038-00	A	F7 Compact, 2700K	7	4.65	4.10
91-3041-00	A	F13 Compact, 2700K	13	6.25	4.95
91-1177-00	A	F9 Compact, 2700K	9	4.00	3.65
91-0188-00	A	F9 Compact, 3500K	9	6.25	4.95

FLUORESCENT LIGHT FIXTURE

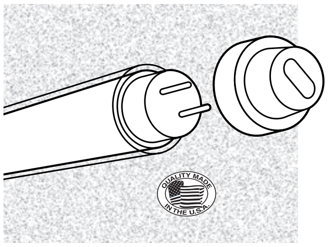
- Utility lighting mounts almost anywhere
- Compact size: 18" W x 3.5" D x 1.5" H
- F15T8 fluorescent bulb included
- 5 ft hideaway cordset
- 60 watt light output, uses 15 watts
- On/Off switch
- UV stabilized diffuser
- Mounting screws included
- Proudly Made in USA
- UL & CSA



Part Number		Price per ea.
91-0211-00	Fluorescent Light Fixture	12.00

PROTECT-A-LAMP™ FLUORESCENT SAFETY SLEEVE

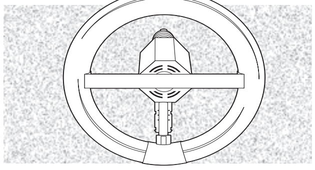
- Unbreakable clear plastic sleeve protects any area in case of shattering glass
- Reusable
- Includes 2 end caps; accommodates both single and double pin lamps
- Ideal for "reach-in" type machines
- 22", 48" or 56-1/4" in length



Part Number		Price per ea.	L/12	L/24
91-0079-00	Fluorescent Safety Sleeve for T12 Lamps, 22" Long	2.05	1.95	1.75
91-1172-00	Fluorescent Safety Sleeve for T12 Lamps	3.25	2.85	2.30
91-1183-00	Fluorescent Safety Sleeve for T8 Lamps	2.49	2.19	1.99
91-0098-00	Fluorescent Safety Sleeve for T12 Lamps, 56-1/4 Long	3.85	3.60	3.25
91-1179-00	End Caps Only, for T12 Safety Sleeve	1.35	1.20	.97
91-1184-00	End Caps Only, for T8 Safety Lamp	1.35	1.20	.97

CIRCLINE CIRCULAR FLUORESCENT BULB ADAPTER

- Screw-in adapter fixture
- Uses 8.25" diameter, 22 watt circline fluorescent bulb
- Includes bulb
- 12 per case



Part Number		Price per ea.
91-0048-00	Circline Fluorescent Bulb Adapter	21.20

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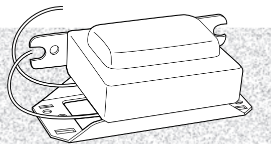
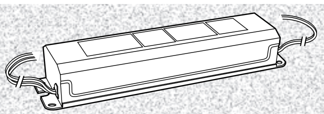
for *NEW* Product Updates!!

BALLASTS

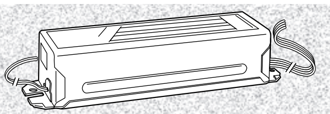
- Top quality ballasts made durable for extra long life
- Low noise
- American made



Clamped Core



Encased & Potted

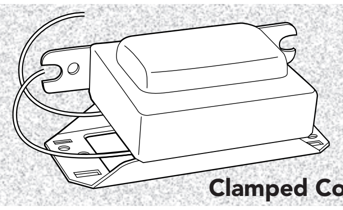


Illustrations are for reference only

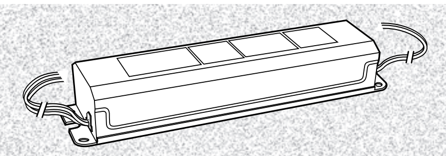
Part Number	Same As Advance #	Same As GE#	Watts	Lamp Type	Used On	Volts	Leads Color/Length	No. Lamps	Ballast Type	Price per ea.
49-0468-00	RC-2S85-TP	———	35, 48, 50,60, 75, 80, 85, 100, 110	T12 High Output Rapid Start F48, F60,F64, F72, F84,F96	F24, F36, F42,	120	1 Black 18” 2 Blue 33” 2 Red 33” 2 Yellow 51” 1 White 18”	1	Encased & Potted	42.20
91-0018-00	R-2E75-S-TP	6X923	50, 52, 57, 60, 65, 75	T12 Slimline Instant Start	F60, F64, F72, F84, F9	120	1 Black 70” 1 White 70” 1 Red 46” 1 Blue 46”	2	Encased & Potted	37.40
91-0039-00	LO-13-22	2X463	13, 14, 15, 20	T8, T12 Preheat Straight”	F13, F14, F15, F20	120	1 Black 6” 1 White 6” 1 Yellow 11” 1 Black 11” 1 Red 11” 1 White 11”	1	Encased & Potted	16.40
91-0040-00	———	———	25	T12 Preheat Straight	F25	120	1 Black 14” 1 White 14” 1 White 22” 1 Red 22 “ 1 Yellow 22” 1 Blue 22”	1	Encased & Potted	20.50
91-0120-00	L-140F-TP	2W769	28, 30, 32, 40	T8 & T12 Straight Preheat, T9 Circline Preheat, T4 & T6 2D Square Shaped Preheat	F28, F30, F40, FC12, FC16	120	1 Black/White 14” 1 White 43” 1 Blue 27”	1	Encased & Potted	12.30
91-0121-00	RL-140-TP	5X788	30, 32, 40,	T12 Straight Rapid Start, T9 Circline Rapid Start	F30, F40, FC12, FC16	120	1 Black/White 10” 1 White 36” 1 Blue 36” 1Red 25”	1	Encased & Potted	13.50
91-0122-00	LX-140F-TP	6V840	30, 32, 40,	T8 & T12 Straight Preheat, T9 Circline Preheat, T4 & T6 2D Square Shaped Preheat	F28, F30, F40, FC 12, FC16	120	1 Black/White 10” 1 Red/White 25” 1 White 25” 1 Blue/White 25” 1 Blue 25”	1	Encased & Potted	22.20
91-0124-00	LPL—5-9	6V836	4, 6, 8	T5 Straight Preheat	F4, F6, F8	120	2 Black 9”	1	Encased & Potted	5.00
91-0125-00	RLQ-120-TP	5X791	13, 14, 15, 20	T8, T12 Preheat Straight	F13, F14, F15, F20	120	1 White 11” 1 Black/White 11” 1 Blue 11” 2 Red 10”	1	Encased & Potted	13.70
91-0126-00	RL-2SP20-TP	3X964	13, 15, 20	T8 , T12 Preheat Straight	F13, F15, F20	120	1 Black 15” 1 White 15” 2 Blue 15” 2 Red 15” 2 Yellow 18”	2	Encased & Potted	33.20
91-0127-00	R-2P32-TP	6V613	32	T8 Rapid Start Straight & U-Shaped	F32	120	1 Black 20” 1 White 20” 2 Blue 24” 2 Red 24” 2 Yellow 36”	2	Encased & Potted	33.20
91-0128-00	R-2S40-1-TP	6X922	34, 40	T10 & T12 Straight Rapid Start, T12 U-Shaped Rapid Start	F40	120	1 Black 20” 1 White 20” 2 Blue 25” 2 Red 25” 2 Yellow 35”	2	Encased & Potted	24.60
91-0130-00	V-2E75-S-2-TP	5X420	50, 52, 57, 65, 75	T12 Slimline Instant Start	F60, F64, F72, F84, F96	277	1 Black 19” 1 White 70” 1 Blue 46” 1 Red 46” 2 Yellow 70”	2	Encased & Potted	40.65
91-0131-00	R-2S110-TP	3X961	85, 95, 100	T12 High Output Rapid Start	F72, F96	120	1 Black 22” 1 White 22” 2 Blue 46” 2 Red 46” 2 Yellow 70”	2	Encased & Potted	68.70

BALLASTS (CONTINUED)

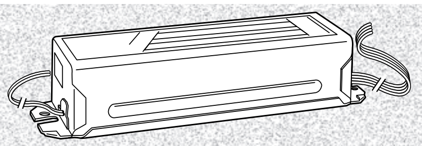
- Top quality ballasts made durable for extra long life
- Low noise
- American made



Clamped Core



Encased & Potted

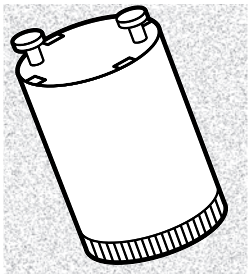


Illustrations are for reference only

Part Number	Same As Advance #	Same As GE#	Watts	Lamp Type	Used On	Volts	Leads Color/Length	No. Lamps	Ballast Type	Price per ea.
91-0904-00	———	———	13	T8 Preheat Straight	F13	120	1 Black 7” 1 Black 15”	1	Clamped Core	7.00
91-0905-00	LS-113-TP	———	13	T5 Preheat Straight	F13	120	1 White 15” 1 Blue 15” 1 Black/White 15”	1	Encased & Potted	16.85
91-1226-00	LC-4-9-C	6V834	4, 6, 8	T5 Straight Preheat	F4, F6, F8	120	2 Black 10”	1	Clamped Core	4.05
91-1228-00	LC-14-20-C	2X463	14,15, 18,19, 20	T8,T12 Preheat Straight	F14,F15, F18, F19, F20	120	1 Black 17” 1 Black 14”	1	Clamped Core	4.05
91-1229-00	LC-25	6V833	25	T12 Preheat Straight	F25	120	1 Black 7” 1 Black 22”	1	Clamped Core	5.55
91-1230-00	———	———	30, 40	T12 Preheat Straight	F30, F40,	120	1 Black 26” 1 Blue 26” 1 White 26”	1	Encased & Potted	12.95
91-1233-00	RC-2SP40-TP		30, 40,	T10 & T12 Straight Rapid Start, T12 U-Shaped Rapid Start”	F30, F40,	120	1 Black 18” 1 White 18” 2 Blue 24” 2 Red 24” 2 Yellow 36”	2	Encased & Potted	30.07
91-1234-00	SM-2E40-S-TP	———	34, 36 40	T12 & T17 Straight Instant Start & Slimline	F36, F40, F48	120	1 Black 41” 1 White 41” 1 Blue 23” 1 Red 23”	2	Encased & Potted	31.40
91-1240-00	R-140-1-TP	———	34, 40	T10 & T12 Straight Rapid Start	F40	120	1 White 22 “ 2 Blue 35” 2 Red 23” 1 Black/White 22”	1	Encased & Potted	49.15

STARTERS

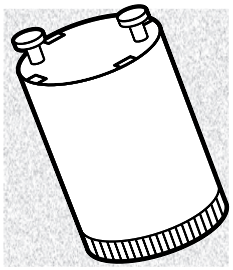
- Deluxe starters are UL/CSA listed
- Deluxe starters include ceramic condenser which greatly increases the life of the starter
- All starters are pre-tested to insure top quality
- 25 per box
- Minimum order of 5



Part Number	Watts	Price per ea.	L/5	L/25
91-2000-00	14, 15, 20	FS-2 Deluxe w/condenser	.42	.37
91-2001-00	30, 40	FS-4 Deluxe w/condenser	.42	.37
91-2002-00	4, 6, 8	FS-5 Deluxe w/condenser	.58	.51
91-2003-00	18, 22, 25	FS-25 Deluxe w/condenser	.47	.42
91-2004-00	14, 15, 20	FS-2 Economy w/o condenser	.39	.33
91-2005-00	30, 40	FS-4 Economy w/o condenser	.39	.33
91-2006-00	4, 6, 8	FS-5 Economy w/o condenser	.52	.47
91-2007-00	18, 22, 25	FS-25 Economy w/o condenser	.43	.38
91-0949-10	4-65	S-2 Philips Starter w/o condenser	1.35	1.20
91-0949-00	4-22	S-10 Philips Starter w/o condenser	1.35	1.20

FS-U UNIVERSAL STARTER

- Eliminates the need to carry 3 different starters
- Replaces the FS2, FS4, and FS5 starters
- 4-30 Watts; 120V
- UL listed
- With condenser
- 25 per box
- Minimum order of 5



Part Number		Price per ea. L/5	L/25
91-0178-00	FS-U Universal Starter	.43	.39

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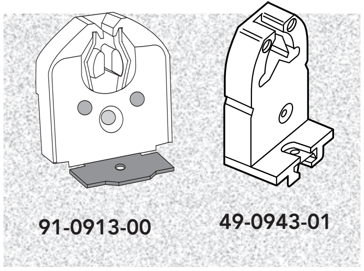
Place orders when you want to - anytime!
No more phone tag,
Leisurely view past purchases,
Easily duplicate past orders,
e-mail notifications of shipments
NEW EASY-TO-USE SHOPPING CART SYSTEM AVAILABLE ON-LINE 24 HOURS A DAY

FLUORESCENT SOCKET FOR MEDIUM BI-PIN LAMPS

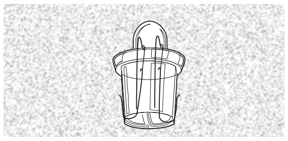
- For T-8 and T-12 lamps
- 600 Volts, 660 Watts



Part Number		Price per ea.	L/24
91-0913-00	Low Profile Design without leads	2.95	2.55
49-0943-01	High Profile Design without leads	.46	.39

MINI-LAMP FOR CASINO SIGNS

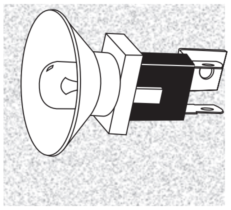
- Used in progressive signs above slot machines
- 2-wire base, T 1.5 (Tivoli style)
- 28 volts, .04 amps



Part Number		Price per ea.
91-0185-00	28V Clear Bulb With Base	.49
91-0140-00	28V Clear Bulb Only	.38
91-0185-0B	28V Blue Bulb With Base	.57
91-0185-0R	28V Red Bulb With Base	.57

MINI SPOTLIGHT REFLECTOR ASSEMBLY

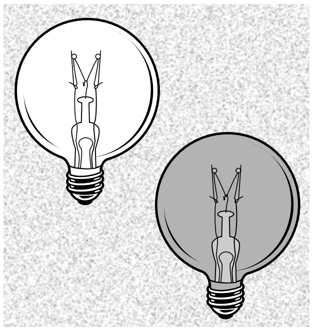
- Small compact size allows spotlight to be added to almost any application
- 1-3/16" spotlight
- Utilizes wedge base, T-3-1/4 bulb
- .110 lamp terminals
- Metal mounting bracket



Part Number		Price per ea.	L/25
91-1225-00	Mini Spotlight Reflector Assembly, 6v 555 bulb	1.85	1.80
91-1225-10	Mini Spotlight Reflector Assembly, 12v 161 bulb	1.85	1.80

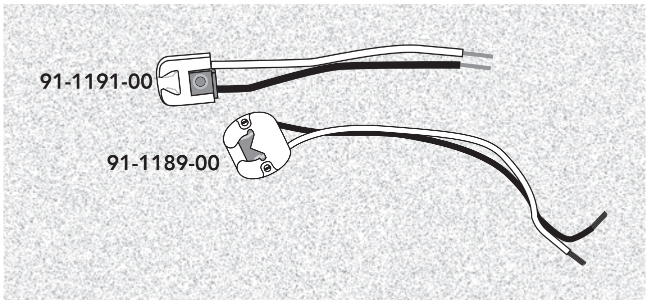
REPLACEMENT BULB FOR SPORTS ARENA

- For use on American Sammy Sports Arena Game
- Keep your games earning potential to it's maximum by replacing those burnt out bulbs
- Each machine contains 64 bulbs (8 Red, 56 Clear)
- Available in both Clear and Red bulbs
- 24 Volts, 5 Watts



Part Number		Price per ea.	L/25
91-0051-00	Sports Arena Replacement Bulb, Clear	1.90	1.80
91-0050-00	Sports Arena Replacement Bulb, Red	1.90	1.80
91-0214-00	Super Sports Arena Replacement Bulb, Clear	.98	.98
91-0213-00	Super Sports Arena Replacement Bulb, Red	1.15	1.15

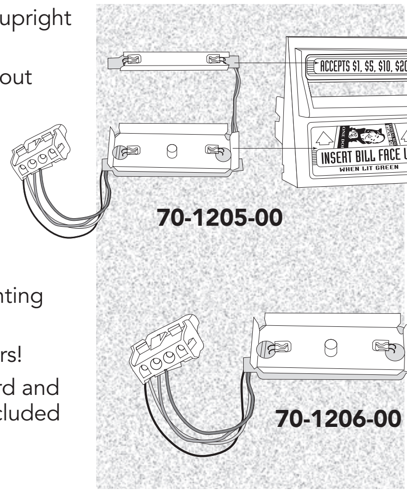
FLUORESCENT SOCKETS FOR STANDARD LAMPS



Part Number	Lamp Type	Watts	Price per ea.	L/24
91-1191-00	T5	4, 6, 8, 11, 13	1.30	1.15
91-1189-00	T8 & T12	14, 15, 16, 18, 20, 22, 25, 30, 40	1.35	1.20

LED LIGHT BOARD FOR VALIDATOR BEZEL

- For Bally 5500 series upright slot machines
- Stop replacing burnt out incandescent lights!
- LEDs last an average of 100,000 hours, saving you time and money
- LEDs are the longest lasting, most maintenance-free lighting source available
- Guaranteed for 3 years!
- Kit includes LED board and harness; bezel not included

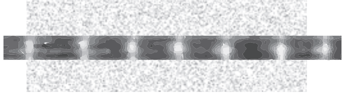


Part Number		Price per ea.	L/100
70-1205-00	For Upright Slot Machine	48.15	42.20
70-1206-00	For Slant Top Slot Machine	45.75	39.80

ROPE LIGHTING

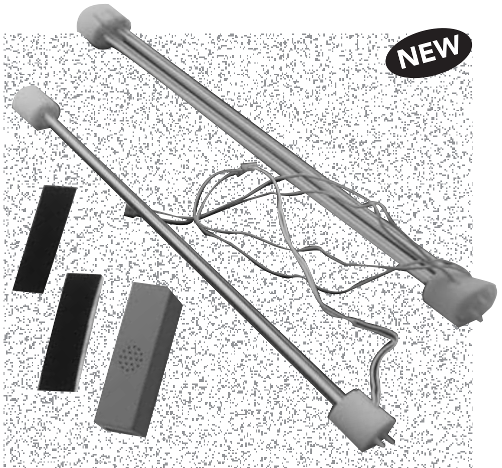
NEW

- UL approved
- Use indoor or outdoor
- Sold with Red or Clear tubing
- 1/2" diameter, 110V & 220V
- Sold per foot, minimum 10 feet
- Can be cut with scissors
- 20,000 hours
- Controller required for operation (91-0084-00
- Additional colors available upon request



Part Number		Price per ea.
91-0083-00	Rope Lighting – Red Tubing	4.10
91-0110-00	Rope Lighting – Clear Tubing	4.10
91-0084-00	Small Controller for Rope Lighting	47.95
91-0113-00	2 foot Y Connector for Rope Light	12.30
91-0114-00	Half Splice Connector, Male for Rope Lighting from Light to Controller	6.25

COLD CATHODE RETROFIT LIGHTING KITS



Double or Single Element Module RetroFit Kits

80-0414-20

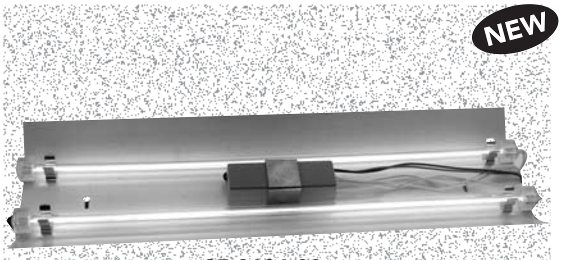
- Energy efficient converting more energy to light output instead of heat, uses 75% less power
- Ideal for gaming panels and lighting signage
- Retrofit kits fit into existing fluorescent lamp sockets in gaming machines
- Provides bright white lighting at 6,500° K, significantly less heat than fluorescent lamps
- Long life lasting over 20,000 hours
- Kits include one CCFL module, inverter, Velcro hook and loop strips and wire harness (power supply sold separately)
- Avoid messy wire splicing with the simple to install 12 VDC Power Supply plug-in
- 12 VDC Power Supply (sold separately) includes 2.5 amp line cord with HDD connector
- Up to three double element (or six single element) lamps can be daisy-chained using extension harnesses with 12VDC power supply
- Complete retrofit kits include lighting element(s), dual inverter(s), power harness(es), and 12VDC power supply
- Lighting modules include a 2-year warranty against manufacturer defects

Part Number		Price per ea.
95-2630-00	F15T8 Retrofit Kit with Double Element Module	36.95
95-2630-10	F15T8 Retrofit Kit with Single Element Module	26.95
95-2630-20	F14T8 Retrofit Kit with Double Element Module	37.95
95-2630-30	F14T8 Retrofit Kit with Single Element Module	27.95
95-2693-00	F15T8 Complete Retrofit Kit with Double Element Module	65.95
95-2693-10	F15T8 Complete Retrofit Kit with Two Double Element Modules	95.95
95-2693-20	F15T8 Complete Retrofit Kit with Three Double Element Modules	127.95

Accessories/Replacement Parts

Part Number		Price per ea.
80-0414-20	12VDC Desktop Power Supply	24.95
96-0640-00	Power Extension Harness	7.95
50-0467-00	F15T8 Double Element Lamp Assembly	28.95
50-0467-10	F15T8 Single Element Lamp Assembly	19.49
50-0467-20	F14T8 Double Element Lamp Assembly	29.95
50-0467-30	F14T8 Single Element Lamp Assembly	19.95

COLD CATHODE LIGHT REFLECTOR ASSEMBLY



95-2631-00

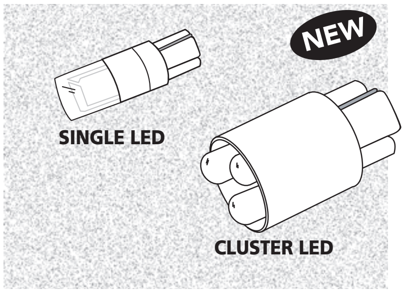
80-0414-20

- Energy efficient converting more energy to light output instead of heat, uses 75% less power
- Ideal for gaming panels and lighting signage
- Includes bracket, two single CCFL modules, inverter and wire harness (optional power supply sold separately)
- Used behind belly glass or top glass depending on machine
- Provides bright white lighting at 6,500° K, significantly less heat than fluorescent lamps
- Long life lasting over 20,000 hours
- Avoid messy wire splicing with the simple to install 12 VDC Power Supply plug-in
- 12 VDC Power Supply (sold separately) includes 2 .5 amp line cord with HDD connector
- Lighting modules include a 2-year warranty against manufacturer defects
- Mounts with screws in key hole slots (screws not included)

Part Number		Price per ea.
95-2631-00	Light Reflector Assembly, 16" W x 5.7" H	54.95
80-0414-20	12VDC Power Supply	24.95

T 1-3/4 AND T 3-1/4 WEDGE BASE LED

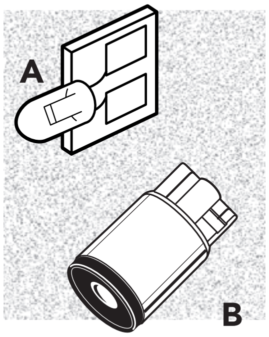
- Save time and money by replacing your lamps with LEDs
- LEDs are maintenance free, lasting an average of 100,000 hours
- LEDs can reduce power consumption up to 80%
- Great for use on illuminated pushbuttons including poker / VLT pushbuttons
- Replace standard T 1-3/4 and T 3-1/4 wedge base lamps
- T 1-3/4 will also fit T 1-1/2 bases
- Designed to be drop-in replacements
- Direct replacements for 73, 86, 161, 194, 555 bulbs
- LEDs are equipped with a resistor



Part Number	Color	Base	LED Type	Volts	Lamp	Price per ea.	L/100
91-5WB-61W	White	T 1-3/4	Single (1)	6 vdc	#86	3.75	3.15
91-5WB-51Y	Yellow	T 1-3/4	Single (1)	6 vdc	#86	3.75	3.15
91-5WB-51R	Red	T 1-3/4	Single (1)	6 vdc	#86	3.75	3.15
91-5WB-51G	Green	T 1-3/4	Single (1)	6 vdc	#86	3.75	3.15
91-5WB-51B	Blue	T 1-3/4	Single (1)	6 vdc	#86	3.75	3.15
91-5WB-121W	White	T 1-3/4	Single (1)	12 vdc	#73	3.75	3.15
91-5WB-121Y	Yellow	T 1-3/4	Single (1)	12 vdc	#73	3.75	3.15
91-5WB-121R	Red	T 1-3/4	Single (1)	12 vdc	#73	3.75	3.15
91-5WB-121G	Green	T 1-3/4	Single (1)	12 vdc	#73	3.75	3.15
91-5WB-121B	Blue	T 1-3/4	Single (1)	12 vdc	#73	3.75	3.15
91-10WB-53W	White	T 3-1/4	Cluster (3)	6 vdc	#259, #555	4.85	4.25
91-10WB-53Y	Yellow	T 3-1/4	Cluster (3)	6 vdc	#259, #555	4.85	4.25
91-10WB-53R	Red	T 3-1/4	Cluster (3)	6 vdc	#259, #555	4.85	4.25
91-10WB-53B	Blue	T 3-1/4	Cluster (3)	6 vdc	#259, #555	4.85	4.25
91-10WB-123W	White	T 3-1/4	Cluster (3)	12 vdc	#161, #194	4.85	4.25
91-10WB-123Y	Yellow	T 3-1/4	Cluster (3)	12 vdc	#161, #194	4.85	4.25
91-10WB-123R	Red	T 3-1/4	Cluster (3)	12 vdc	#161, #194	4.85	4.25
91-10WB-123G	Green	T 3-1/4	Cluster (3)	12 vdc	#161, #194	4.85	4.25
91-10WB-123B	Blue	T 3-1/4	Cluster (3)	12 vdc	#161, #194	4.85	4.25

T 3-1/4 WEDGE BASE LED

- Replaces standard T-3-1/4 wedge base incandescent lamps with long life, low power LEDs
- Designed to be drop in replacements for all the most popular miniature lamps
- Direct replacement for 161, 194, 259 bulbs
- LEDs have resistor on board
- Used for replacement for Illuminated pushbuttons

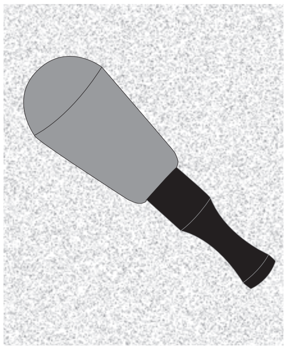


Part Number	Color	Voltage	Ref.	Lamp	Price per ea.	L/100
91-1157-00	Red	6vdc	A	#259	3.40	3.10
91-0690-00	White	6vdc	B	#259	14.85	14.30
91-1158-00	Red	12vdc	A	#161, #194	3.30	3.00
91-0689-00	White	12vdc	B	#161, #194	14.55	14.00

LED INSERTION TOOL

NEW

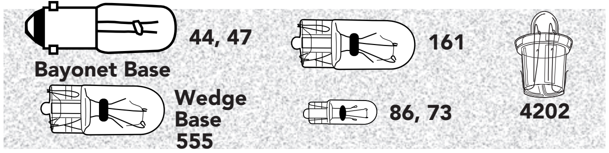
- Handy tool helps avoid damage to LED resistor and static electricity
- Also prevents blisters when inserting many LEDs
- For T 1-3/4 base LEDs



Part Number		Price per ea.
92-1396-00	LED Insertion Tool	5.15

ECONOMY MINI LAMPS

- These lamps are the highest rated economy mini lamps in the industry
- Sold in convenient boxes of 10
- Preferred by many O.E.M.'s, (Original Equipment Manufacturers)
- Min order 10

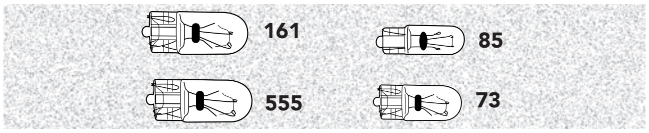


Part Number	Lamp No.	Volts	Base	Price per ea. L/10	L/100
91-0140-00	#E0209	28	2-Wire (T 1-1/2)	.38	.33
91-2019-10	#19	14.4	2 Prong (G 3-1/2)	1.35	1.20
91-0029-00	#E17	28	Wedge (T 1-1/2)	.81	.72
91-1119-10	#44	6.3	Bayonet (T 3-1/4)	.20	.18
91-1120-10	#47	6.3	Bayonet (T 3-1/4)	.20	.18
91-1121-00	#51	7.5	Bayonet (G 3-1/2)	.43	.37
91-0135-00	#55	7	Bayonet (G 4-1/2)	.32	.30
91-0138-00	#57	14	Bayonet (G 4-1/2)	.26	.24
91-2063-10	#63	7	Bayonet (G 6)	.31	.28
91-1123-10	#68	13.5	Bayonet (G 6)	.50	.48
91-1221-10	#73	14	Wedge (T 1-3/4)	.24	.21
91-0073-10E	#E73	14	Wedge (T 1-1/2)	.27	.24
91-0137-00	#74	14	Wedge (T 1-3/4)	.32	.30
91-1317-10	#85	28	Wedge (T 1-3/4)	.48	.46
91-1124-20	#86	6.3	Wedge (T 1-3/4)	.39	.36
91-1124-10	#E86	6.3	Wedge (T 1-1/2)	.29	.24
91-1129-10	#93	12	Bayonet (S 8)	.62	.49
91-0152-10	#152	28	Wedge (T 3-1/4)	.29	.27
91-0030-00	#158	14	Wedge (T 3-1/4)	.49	.44
91-1118-01	#159	6.3	Wedge (T 3-1/4)	.39	.33
91-1219-10	#161	14	Wedge (T 3-1/4)	.21	.20
91-1222-10	#193	14	Wedge (T 3-1/4)	.39	.35
91-1320-10	#194	14	Wedge (T 1-1/4)	.39	.31
91-0195-00	#256	14	Mini Bayonet Flasher (T 3-1/4)	.47	.42
91-0257-10	#257	14	Bayonet (Flasher) (G 4-1/2)	.46	.42
91-1118-10	#259	6.3	Wedge (T 3-1/4)	.33	.30
91-0759-00	#359	1.35	Mini-Screw (G 3-1/2)	.53	.48
91-0013-00	#367	10	S.C. Midget (T 1-3/4)	.68	.64
91-0032-00	#379	6.3	S.C. Midget (T 1-3/4)	.90	.81
91-0382-10	#382	14	S.C. Midget Flanged (T 3-1/4)	.48	.45
91-0393-00	#393	14	Midget Groove	1.20	.85
91-0659-10	#400	28V	Wedge (T 3-1/4)	.42	.37
91-1128-10	#447	6.3	Wedge (T 3-1/4)	.40	.33
91-2455-10	#455	6.5	Bayonet (Flasher) (G 4-1/2)	.37	.30
91-0033-00	#464	28	Wedge (T 3-1/4)	.47	.44
91-1321-10	#505	24	Wedge (T 3-1/4	.44	.37
91-1319-10	#555	6.3	Wedge (T 3-1/4) Clear	.21	.20
91-0555-0R	#555	6.3	Wedge (T 3-14) Red	.39	.37
91-0555-0B	#555	6.3	Wedge (T 3-14) Blue	.39	.37
91-0555-0A	#555	6.3	Wedge (T 3-14) Amber	.39	.37
91-0555-0G	#555	6.3	Wedge (T 3-14) Green	.39	.37
91-0585-10	#585	28	Wedge (T 3-1/4)	.49	.46

Part Number	Lamp No.	Volts	Base	Price per ea. L/10	L/100
91-2656-10	#656	28	Wedge (T 3-1/4)	.30	.26
91-1126-10	#657	28	Wedge (T 3-1/4)	.40	.35
91-1220-10	#658	14	Wedge (T 3-1/4)	.38	.30
91-0680-10	#680	5	2 Wire Terminal (T 1)	.39	.31
91-0193-00	#685	5	Midget Flange (T 1)	.52	.47
91-0034-00	#715	5	2-Wire (T 1)	.51	.44
91-2755-10	#755	6.3	Bayonet (T 3-1/4)	.44	.39
91-0136-00	#756	14.4	Bayonet (T 3-1/4)	.32	.30
91-2757-10	#757	28	Bayonet (T 3-1/4)	.49	.44
91-2904-10	#904	13.5	Wedge (T 5)	.39	.35
91-1135-10	#906	13	Wedge (T 5)	.52	.44
91-0912-10	#912	12.8	Wedge (T5)	.33	.30
91-0180-00	#921	12	Wedge	.65	.58
91-1073-10	#1073	12.8V	S.C. Bayonet (S 8)	1.65	1.65
91-0150-00	#1112	12	Wedge (T 3-1/4)	.21	.20
49-0069-00	#1156	12.8	S.C. Bayonet (S 8)	1.65	1.45
91-1251-10	#1251	28	S.C. Bayonet (G 6)	.62	.54
91-1683-10	#1683	28	S.C. Bayonet (S 8)	.86	.71
91-1813-10	#1813	14.4	Bayonet (T 3-1/4)	.31	.25
91-1815-10	#1815	14	Mini Bayonet (T 3-1/4)	.44	.39
91-1816-10	#1816	13	Mini Bayonet (T 3-1/4)	.31	.29
91-1819-10	#1819	28	Mini Bayonet (T 3-1/4)	.35	.31
91-1820-10	#1820	28	Bayonet (T 3-1/4)	.44	.39
91-1821-10	#1821	28	Mini Screw (T 3-1/4)	.35	.31
91-1829-10	#1829	28	Bayonet (T 3-1/4)	.46	.42
91-1847-10	#1847	6.3	Bayonet (T 3-1/4)	.31	.27
91-1873-10	#1873	28	Bayonet (T 3-1/4)	.44	.39
91-0052-00	#1888	7	Bayonet (T 3-1/4)	.39	.31
91-1891-10	#1891	14	Bayonet (T 3-1/4)	.44	.39
91-1892-10	#1892	14.4	Bayonet (T 3-1/4)	.31	.26
91-1893-10	#1893	14	Bayonet (T 3-1/4)	.39	.31
91-1895-10	#1895	14	Bayonet (G 4-1/2)	.25	.23
91-0196-00	#2176	24	2-Wire (T 1-3/4)	.27	.22
91-2182-10	#2182D	14	2 Wire Base (T 1-3/4)	.42	.32
91-0035-00	#2187	28	2-Wire (T 1-3/4)	.41	.37
91-0036-00	#4201	14	Neo/Base	1.55	1.45
91-0069-00	#4202	24	Neo/Base	1.25	1.20
91-0025-00	#7152	5	Bi-Pin w/leads (T 1)	1.20	.96
91-0004-00	#7374	28	Midget Bi-Pin (T 1-3/4	.70	.66
91-0586-00	#10969	12	Wedge (T 3-1/4)	.40	.36

BULK MINI LAMPS

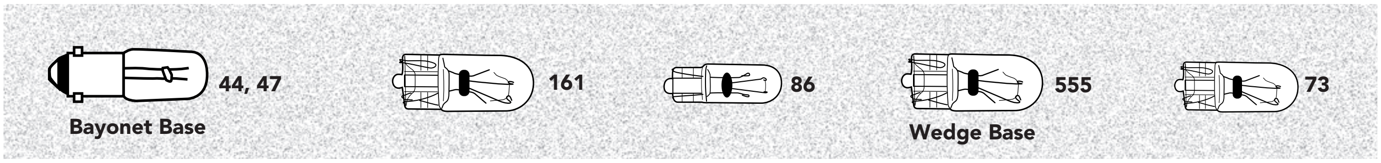
- These lamps are the highest rated economy mini lamps in the industry
- Packaged in bulk bags or boxes
- Preferred by many O.E.M.'s (Original Equipment Manufacturers)
- **Bulk packaging may not be broken**



Part Number	Lamp Number	Volts	Base	Pkg.	Price per ea.
91-2044-00	#44	6.3	Bayonet (T 3-1/4)	100/box	.17
91-1120-00	#47	6.3	Bayonet (T 3-1/4)	100/box	.17
91-1123-00	#68	13.5	Bayonet (G 6)	100/box	.24
91-1221-00	#73	14	Wedge (T 1-3/4)	100/box	.22
91-1317-00	#85	28	Wedge (T 1-3/4)	100/box	.42
91-1124-00	#86	6.3	Wedge (T 1-3/4)	100/box	.25
91-1129-00	#93	12	Bayonet (S 8)	100/box	.41
91-1219-00	#161	14	Wedge (T 3-1/4)	500/bag	.20
91-1222-00	#193	14	Wedge (T 3-1/4)	500/bag	.24

Part Number	Lamp Number	Volts	Base	Pkg	Price per ea.
91-1320-00	#194	14	Wedge (T 1-1/4)	500/bag	.27
91-1118-00	#259	6.3	Wedge (T 3-1/4)	500/bag	.27
91-1319-00	#555	6.3	Wedge (T 3-1/4)	500/bag	.20
91-1318-00	#656	28	Wedge (T 3-1/4)	500/bag	.54
91-1126-00	#657	28	Wedge (T 3-1/4)	100/bag	.40
91-1220-00	#658	14	Wedge (T 3-1/4)	500/bag	.26
91-1135-00	#906	13	Wedge (T 5)	100/bag	.52

DELUXE MINI LAMPS



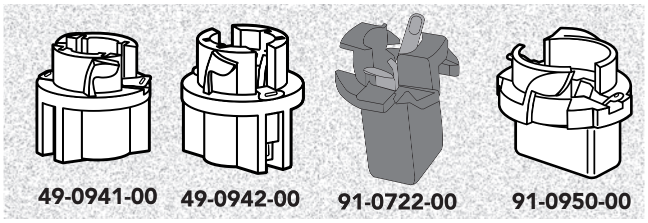
- Brand name GE or Sylvania mini lamps
- These high quality lamps out perform all import type mini lamps
- Sold in convenient boxes of 10

Part Number	Lamp Number	Volts	Base	Price per ea. L/10	L/100
91-0037-00	#37	14	Wedge (T 1-3/4)	.37	.31
91-0044-00	#44	6.3	Bayonet (T 3-1/4)	.31	.28
91-0047-00	#47	6.3	Bayonet (T 3-1/4)	.31	.28
91-0053-00	#53	14.4	S.C. Bayonet (G 3-1/2)	.53	.48
91-1122-00	#55	7	Bayonet (G 4-1/2)	.89	.85
91-0057-00	#57	14	Bayonet (G 4-1/2)	.54	.49
91-0067-00	#67	13.5	S.C. Bayonet (G 6)	.73	.68
91-0073-00	#73	14	Wedge (T 1-3/4)	.32	.29
91-0074-00	#74	14	Wedge (T 1-3/4)	.60	.53
91-0086-00	#86	6.3	Wedge (T 1-3/4)	.49	.46
91-0089-00	#89	13	S.C. Bayonet (G 6)	.51	.48
91-0090-00	#90	12	Bayonet (G 6)	.73	.67
91-0161-00	#161	14	Wedge (T 3-1/4)	.42	.40
91-0194-00	#194	14	Wedge (T 1-1/4)	.31	.28
91-1125-00	#222	2.25	Screw (TL 3)	.88	.81
91-0313-10	#313	28V	Bayonet (T 3-1/4)	.27	.25

Part Number	Lamp Number	Volts	Base	Price per ea. L/10	L/100
91-2455-10	#455	6.5V	Bayonet (Flasher) (G 4-1/2)	.37	.30
91-0555-00	#555	6.3	Wedge (T 3-1/4)	.31	.28
91-0656-00	#656	28	Wedge (T 3-1/4)	.86	.79
91-0658-00	#658	14	Wedge (T 3-1/4)	.81	.81
91-0755-00	#755	6.3	Bayonet (T 3-1/4)	.82	.71
91-0756-00	#756	14.4	Bayonet (T 3-1/4)	1.50	1.25
91-0906-00	#906	13	Wedge (T 5)	.44	.42
91-0912-00	#912	12.8	Wedge (T 5)	.97	.92
91-1813-00	#1813	14.4	S.C. Bayonet (T 3-1/4)	1.25	1.20
91-1819-00	#1819	28V	Bayonet (T 3-1/4)	.66	.64
91-1847-00	#1847	6.3	Bayonet (T 3-1/4)	.72	.67
91-1891-00	#1891	14.0V	Bayonet (T 3-1/4)	.64	.57
91-1892-00	#1892	14.4	Bayonet (T 3-1/4)	.53	.44
91-1895-00	#1895	14	Bayonet (G 4-1/2)	1.20	.95

WEDGE BASE SOCKETS FOR MINI LAMPS

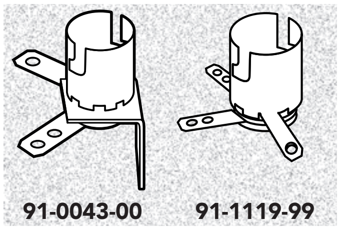
- Push Twist Type



Part Number		Price per ea.
49-0941-00	T 1-1/2 Wedge Socket	1.10
49-0942-00	T 1-3/4 Wedge Socket (For E86 only)	1.05
91-0722-00	T 1-3/4 Wedge Socket (For all Except E86)	.48
91-0950-00	T 3-1/4 Wedge Socket	.40

SOCKET FOR MINI LAMPS

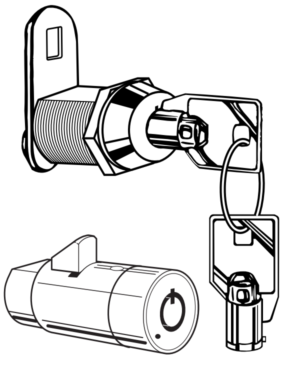
- Sockets for #44, 47, 51 & 1893 Mini Lamps
- Minimum order 10 pcs.



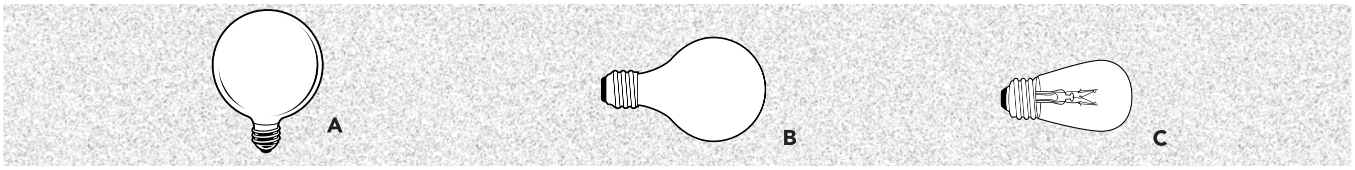
Part Number		Price per ea. L/10	L/100
91-0043-00	Socket w/90° Right Angle Bracket	.92	.85
91-1119-99	Socket for Mini Bayonet	.92	.85

HAPP CONTROLS LOCK DEPARTMENT

Happ Controls now has it's own lock assembly department. We offer fast turn around on 7-pin tumbler locks. Most custom lock orders can be shipped within 48 hours. Happ locks can be keyed to your existing 7-pin tumbler key, if we receive a sample key with your order. Our 7-pin tumbler locks offer high security at a reasonable price. For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company.



INCANDESCENT LAMPS



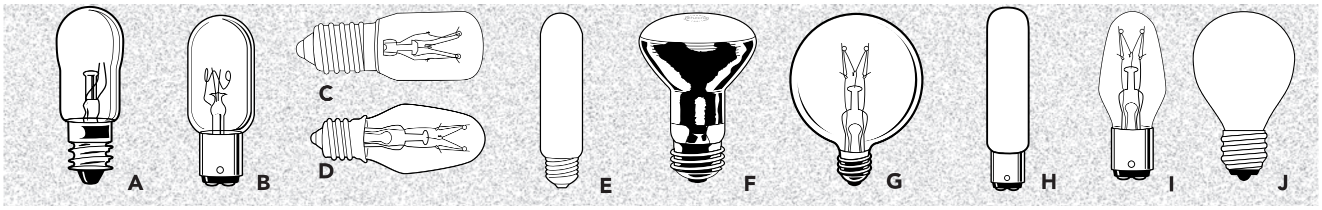
- Various types of incandescent lamps, from typical lamps used everyday in your home, to the more rugged and durable appliance and rough service lamps
- American made unless otherwise noted

Ref	Part Number	Lamp Type	Watts	Volts	Color	Price per ea.	Price per ea. L/1 Case
A	91-0917-00	Pearl White Globe	25	120	White	1.95 ea.	1.80 - L/20
B	91-0901-00	15A	15	120	Frost	.93 - L/2	.72 - L/24
A	91-1173-00	25A19	25	120	Frost	.93 - L/4	.72 - L/120
B	91-1167-00	25A Rough Service	25	120	Frost	1.70 - L/6	1.50 - L/120
B	91-0919-00	40A	40	120	Frost	.93 - L/4	.91 - L/48
B	91-1165-00	40A15 Appliance	40	120	Frost	.97 - L/6	.97 - L/120
B	91-3060-00	60A	60	120	Frost	1.10 - L/2	.71 - L/24
B	91-1166-00	60A/Rough Service	60	120	Frost	1.90 - L/6	1.80 - L/120
B	91-5001-00	75A	75	120	Frost	1.35 - L/6	.97 - L/24
B	91-0075-00	75A Rough Service	75	120	Frost	2.75 - L/4	2.75 - L/12
B	91-3100-00	100A	100	120	Frost	2.10 - L/2	2.00 - L/24
C	91-1161-10	Color Display Lamp*[1]	11	130	Red	1.49 ea.	1.09 - L/12
C	91-1161-12	Color Display Lamp*[1]	11	130	Blue	1.49 ea.	1.09 - L/12
C	91-1161-13	Color Display Lamp*[1]	11	130	Green	1.49 ea.	1.09 - L/12
C	91-1161-15	Color Display Lamp*[1]	11	130	Yellow	1.49 ea.	1.09 - L/12
C	91-1161-17	Color Display Lamp*[1]	11	130	Orange	1.49 ea.	1.09 - L/12
C	91-1161-18	Color Display Lamp*[1]	11	130	Clear	1.49 ea.	1.09 - L/12

*Not made in the U.S.A.

[1] Replacement for AMI/Rowe Jukeboxes

SPECIALTY SERVICE LAMPS



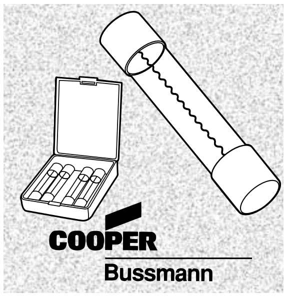
- Various sizes and styles for different applications
- American made * unless otherwise noted

Ref	Part Number	Lamp Type	Watts	Volts	Color	Price per ea.	Price per ea. L/1 Case
A	91-0108-00	6S6, Candelabra	6	32	Clear	.49 - L/10	.44 - L/50
A	91-1193-00	6S6, Candelabra	6	120	Clear	.47 - L/10	.42 - L/50
B	91-1174-00	6S6DC	6	120	Clear	1.70 - L/10	1.50 - L/120
D	91-27C7-00	7C7, *Economy	7	120	Clear	.71 - L/10	.60 - L/100
D	91-07C7-00	7C7, Deluxe	7	120	Clear	.97 - L/12	.86 - L/120
I	91-10C7-00	10C7, DC	10	120	Clear	1.85 - L/10	1.60 - L/100
E	91-0168-00	20T6-1/2 IF	20	120	Frost	8.75 ea.	8.05 - L/60
H	91-0064-00	25T6-1/2DC	25	120	Clear	4.70 ea.	3.60 - L/60
E	91-0049-10	25TT6-1/2	25	130	Frost	5.05 ea.	4.65 - L/60
B	91-0903-00	25T8 DC, Bayonet	25	120	Clear	1.95 - L/10	1.60 - L/60
E	91-2510-00	25T10	25	120	Frost	1.95 ea.	1.70 - L/10
E	91-4010-00	40T10	40	120	Frost	2.05 ea.	1.85 - L/10
F	91-0907-00	50 R20 Flood	50	125	Clear	4.05 ea.	3.55 - L/60
F	91-5030-00	50 R30 Flood	50	120	Clear	6.60 ea.	6.05 - L/24
F	91-1182-00	65BR30 Flood	65	120	Frost	4.40 ea.	3.85 - L/24
F	91-1182-10	65BR30 Flood	65	120	Red	4.35 ea.	3.95 - L/24
F	91-1192-00	75 R30 Spot	75	120	Clear	6.75 ea.	6.20 - L/24
F	91-7530-00	75 R30 Flood	75	120	Frost	5.00 ea.	4.55 - L/24
F	91-0078-00	PAR 38 FLood	120	120	Frost	8.70 ea.	8.15 - L/30
C	91-1186-00	Crane Bulb, Candelabra	10	48 - 60	Clear	1.60 ea.	1.35 - L/50
C	91-1187-00	Crane Bulb, Candelabra	10	130	Clear	.93 ea.	.81 - L/50
A	91-1193-00	6S6 Screw Base	6	120	Clear	.47 - L/10	.42 - L/50
B	91-0903-00	25T8DC	25	120	Clear	1.95 - L/10	1.60 - L/60
G	91-0051-00	Mini Globe	5	24	Clear	1.90 ea.	1.80 - L/25
G	91-0050-00	Mini Globe	5	24	Red	1.90 ea.	1.80 - L/25
G	91-0177-00	Mini Globe	7	120	Clear	.43 ea.	.40 - L/25
G	91-0060-00	Mini Globe	10	120	Clear	2.05 ea.	1.95 L/25
G	91-0061-00	Mini Globe	10	120	Red	2.15 ea.	2.05 - L/25
J	91-0927-00	40SIIN	40	120	Clear	5.70 ea.	5.30 - L/24

* Not made in USA

AGC FUSES – FAST BLOW TYPE

- 1/4" diameter x 1-1/4" length
- Various amperages
- Fast acting to protect equipment
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

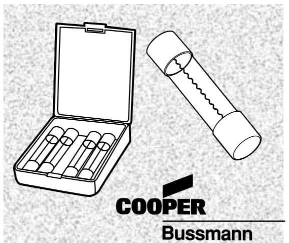


1/4" Dia. x 1-1/4" L

			Price per fuse		
Part Number	Amps	Volts	L/10	L/50	L/100
49-1232-00	1/10	250	.72	.67	.62
49-0785-00	1/8	250	.72	.67	.62
49-0273-00	3/16	250	.72	.67	.62
49-0349-00	1/4	250	.62	.54	.49
49-0808-00	3/8	250	.37	.32	.30
49-0621-00	1/2	250	.37	.32	.30
49-0622-00	6/10	250	.49	.44	.39
49-0547-00	3/4	250	.37	.32	.30
49-0623-00	8/10	250	.37	.32	.30
49-0118-00	1	250	.37	.32	.30
49-0624-00	1-1/4	250	.37	.32	.30
49-0625-00	1-1/2	250	.37	.32	.30
49-0119-00	2	250	.37	.32	.30
49-0627-00	2-1/2	250	.37	.32	.30
49-0024-00	3	250	.37	.32	.30
49-0932-00	3-1/2	250	.37	.32	.30
49-0615-00	4	250	.37	.32	.30
49-0120-00	5	250	.37	.32	.30
49-0296-00	6	250	.37	.32	.30
49-0613-00	7	250	.37	.32	.30
49-0566-00	8	250	.37	.32	.30
49-0560-00	10	250	.37	.32	.30
49-0277-00	15	32	.37	.32	.30
49-0278-00	20	32	.37	.32	.30
49-0279-00	25	32	.37	.32	.30
49-0280-00	30	32	.37	.32	.30

GMA FUSES – FAST BLOW TYPE

- 5 x 20 mm
- Various amperages
- Commonly used within pinball machines
- Fast acting to protect electronic equipment
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

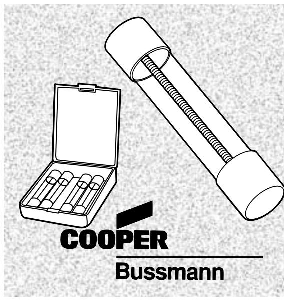


			Price per fuse		
Part Number	Amps	Volts	L/10	L/50	L/100
49-0593-00	300mA	250	1.35	1.20	.97
49-0498-00	1	250	1.35	1.20	.97
49-1271-00	1.25	250	1.35	1.20	.97
49-0669-00	1.5	250	1.35	1.20	.97
49-1335-00	1.5*	250	1.35	1.20	.97
49-0497-00	2	250	1.35	1.20	.97
49-1333-00	2*	250	1.35	1.20	.97
49-0670-00	2.5	250	1.35	1.20	.97
49-0496-00	3	250	1.29	1.19	.89
49-1334-00	3*	250	1.35	1.20	.97
49-0626-00	3.15	125	1.35	1.20	.97
49-0589-00	4	125	1.35	1.20	.97
49-0495-00	5	125	1.29	1.19	.89
49-0652-00	6	125	1.35	1.20	.97
49-0786-00	7	125	1.35	1.20	.97
49-0590-00	8	125	1.35	1.20	.97
49-0290-00	10	125	1.35	1.20	.97
49-0788-00	15	125	1.35	1.20	.97

*With Leads

MDL FUSES – SLOW BLOW TYPE

- 1/4"diameter x 1-1/4" length
- Various amperages
- Dual-element, slow blowing type to prevent needless fuse blows
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10

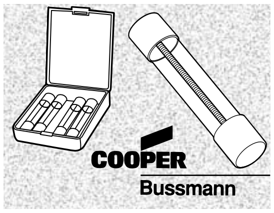


1/4" Dia. x 1-1/4" L

			Price per fuse		
Part Number	Amps	Volts	L/10	L/50	L/100
49-0610-00	1/10	250	.72	.67	.62
49-0608-00	1/8	250	.72	.67	.62
49-0609-00	3/16	250	.72	.67	.62
49-0607-00	2/10	250	.72	.67	.62
49-0551-00	1/4	250	.45	.41	.39
49-0606-00	3/10	250	.85	.81	.75
49-0494-00	3/8	250	.45	.41	.39
49-0605-00	4/10	250	.45	.41	.39
49-0553-00	1/2	250	.45	.41	.39
49-0604-00	6/10	250	.45	.41	.39
49-0603-00	7/10	250	.45	.41	.39
49-0552-00	3/4	250	.45	.41	.39
49-0602-00	8/10	250	.45	.41	.39
49-0111-00	1	250	.45	.41	.39
49-0599-00	1-1/4	250	.45	.41	.39
49-0564-00	1-1/2	250	.45	.41	.39
49-0598-00	1-6/10	250	.45	.41	.39
49-0112-00	2	250	.45	.41	.39
49-0113-00	2-1/2	250	.45	.41	.39
49-0597-00	2-8/10	250	.45	.41	.39
49-0030-00	3	250	.45	.41	.39
49-0579-00	3-2/10	250	.45	.41	.39
49-0933-00	3-1/2	250	.45	.41	.39
49-0114-00	4	250	.45	.41	.39
49-0025-00	5	250	.45	.41	.39
49-0286-00	6	250	.45	.41	.39
49-0580-00	6-1/4	250	.45	.41	.39
49-0115-00	7	250	.45	.41	.39
49-0596-00	7-1/2	250	.45	.41	.39
49-0116-00	8	250	.45	.41	.39
49-0117-00	10	32	.45	.41	.39
49-0595-00	12	32	.45	.41	.39
49-0592-00	15	32	.45	.41	.39
49-0591-00	20	32	.45	.41	.39
49-0594-00	25	32	.45	.41	.39
49-0281-00	30	32	.45	.41	.39

GMQ FUSES – SLOW BLOW TYPE

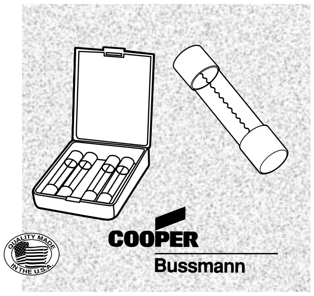
- Various amperages
- Size rejecting, only allows fuse to be used within proper fuseholder
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10



Part Number	Amps	Volts	Price per 5	Price per 10
49-0640-00	1	300	5.30	5.00
49-0641-00	3-2/10	300	4.90	4.40
49-0642-00	6-1/4	300	5.30	5.00

GMC, GMD FUSES

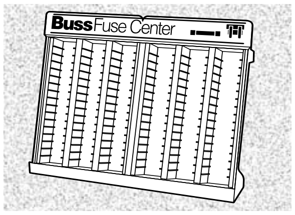
- 5 x 20 mm
- GMC- Medium Blow Type
- GMD- Slow Blow Type
- Various amperages
- Commonly used within pinball machines
- Dual-element, slow blowing type to prevent needless fuse blows
- Made in the U.S.A.
- Packaged in boxes of 5
- Minimum order 10



Part Number	Type	Amps	Volts	Price per fuse L/10	L/50	L/100
49-0838-00	GMC	63mA	250	.44	.42	.40
49-0839-00	GMC	250mA	250	.44	.42	.40
49-0837-00	GMC	2.5	250	.44	.42	.40
80-0016-01	GMC	3	250	1.25	1.20	1.15
49-0284-00	GMC	3.15	250	.97	.93	.88
49-0836-00	GMC	4	125	.44	.42	.40
49-0835-00	GMC	5	125	.44	.42	.40
49-0619-00	GMC	6.3	125	.44	.42	.40
49-0620-00	GMC	10	125	.44	.42	.40
49-0614-00	GMD	25mA	250	1.70	1.50	1.35
49-5062-00	GMD	1.6	250	1.60	1.40	1.25
49-0616-00	GMD	2	250	1.35	1.20	1.05
49-0617-00	GMD	2.5	250	1.35	1.20	1.05
49-0618-00	GMD	4	250	1.35	1.20	1.05

FUSE RACK

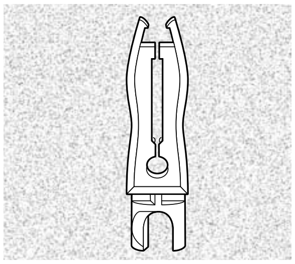
- Free standing durable yellow plastic display
- Holds 102 packages of 5 fuses (510 Fuses total)
- Fuses sold separately



Part Number		Price per ea.
49-0582-00	Fuse Rack, Empty	20.40

FUSE PULLER

- Makes it easier to install & remove fuses in those hard to reach. areas
- For use on all 1/4" diameter glass fuses
- Eliminates risk of breaking fuses or damaging fuse blocks

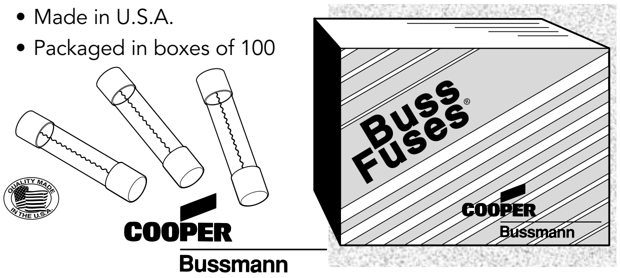


Part Number		Price per ea.
49-0628-00	Fuse Puller Tool	2.55

Visit Our Web Site:
for **NEW** Product Updates!!

BULK FUSES

- Made in U.S.A.
- Packaged in boxes of 100



MDL Bulk Fuses - Slow Blow Type (1/4" diameter x 1-1/4" length)

Part Number	Amps	Volts	Price per Box of 100
49-0553-00B	1/2	250	45.25
49-0552-00B	3/4	250	45.25
49-0623-00B	8/10	250	45.25
49-0111-00B	1	250	34.35
49-4015-00B	1-6/10	250	34.35
49-0112-00B	2	250	34.35
49-0113-00B	2-1/2	250	34.35
49-0030-00B	3	250	34.35
49-0114-00B	4	250	34.35
49-0025-00B	5	250	34.35
49-0286-00B	6	250	34.35
49-0580-00B	6-1/4	250	34.35
49-0115-00B	7	250	34.35
49-0116-00B	8	250	34.35
49-0117-00B	10	32	50.65
49-0592-00B	15	32	50.65
49-0279-00B	20	32	50.65

AGC Bulk Fuses - Fast Blow Type (1/4" diameter x 1-1/4" length)

Part Number	Amps	Volts	Price per Box of 100
49-0621-00B	1/2	250	21.05
49-0118-00B	1	250	13.10
49-0625-00B	1-1/2	250	13.05
49-0119-00B	2	250	13.10
49-0024-00B	3	250	13.10
49-1236-00B	4	250	20.85
49-0120-00B	5	250	20.85
49-0296-00B	6	250	20.85
49-0613-00B	7	250	20.85
49-1231-00B	7-1/2	250	20.85
49-0566-00B	8	250	20.85
49-0560-00B	10	250	20.85
49-0277-00B	15	32	20.85
49-0278-00B	20	32	20.85
49-0785-00B	1/8	250	20.40

GMA Bulk Fuses - Fast Blow Type (5 x 20mm)

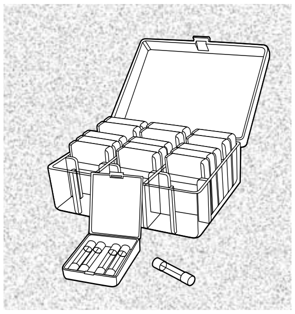
Part Number	Amps	Volts	Price per Box of 100
49-0498-00B	1	250	22.20
49-0497-00B	2	250	22.20
49-0670-00B	2.5	250	22.20
49-0591-00B	4	125	22.20
49-0495-00B	5	125	22.20
49-0290-00B	10	125	22.20

GMC Bulk Fuses - Medium Blow Type (5 x 20mm)

Part Number	Amps	Volts	Price per Box of 100
49-3066-00B	1	250	49.15
49-0620-00B	10	125	57.85

FUSE ASSORTMENT KITS

- Assortment of 75 of the most common Fast-Blow and Slow-Blow fuses
- Kit includes handy clear plastic box
- Each 5 pack of fuses has their own section with index
- A must for every service repairman
- See chart for listing of amperages



Part Number		Price per kit	L/6	L/12
49-0568-00	**General Purpose Fuse Kit**	29.60	28.35	25.45

Contains the following fuses:

Replacement Part Number	Quantity	Amps	Type	Volts
49-0621-00	5	1/2	Fast-Acting	250
49-0118-00	5	1	Fast-Acting	250
49-0625-00	5	1-1/2	Fast-Acting	250
49-0119-00	10	2	Fast-Acting	250
49-0024-00	10	3	Fast-Acting	250
49-0120-00	5	5	Fast-Acting	250
49-0553-00	5	1/2	Slow-Blow	250
49-0111-00	5	1	Slow-Blow	250
49-0112-00	10	2	Slow-Blow	250
49-0030-00	10	3	Slow-Blow	250
49-0025-00	5	5	Slow-Blow	250

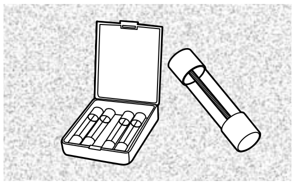
Part Number		Price per kit	L/6	L/12
49-0569-00	**Pinball Fuse Kit**	29.00	27.75	26.05

Contains the following fuses:

Replacement Part Number	Quantity	Amps	Type	Volts
49-0566-00	5	8	Fast-Acting	250
49-0547-00	5	3/4	Fast-Acting	250
49-0494-00	5	3/8	Slow-Blow	250
49-0113-00	5	2-1/2	Slow-Blow	250
49-0030-00	25	3	Slow-Blow	250
49-0025-00	15	5	Slow-Blow	250
49-0115-00	5	7	Slow-Blow	250
49-0116-00	5	8	Slow-Blow	250

SPECIALTY FUSES

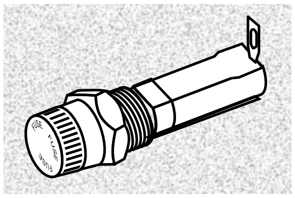
- Packed in boxes of 5
- Sold per fuse



Part Number	Type	Amps	Volts	Price per ea.
49-1234-00	AGX	¼	250	1.15
49-1256-00	AGX	1	250	1.15
49-1257-00	MCR	½	250	.94
49-1241-00	MCR	1½	250	.94
49-1238-00	GJV	½ w/leads	250	1.15
49-1239-00	GJV	3 w/leads	250	1.60
49-1240-00	GJV	4 w/leads	250	1.60
49-1237-00	GJV	5 w/leads	250	1.70

PANEL MOUNT FUSEHOLDER

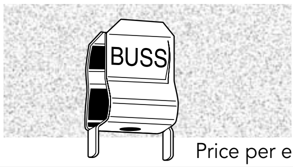
- Designed to virtually eliminate the possibility of electrical shock
- Maximum panel thickness of 5/16"
- For 1/4" x 1-1/4" fuses
- .187" Quick Connect Terminals



Part Number	Amps	Volts	Price per ea.	L/10
49-0023-00	20	300	2.65	2.55

PC MOUNT FUSEHOLDER

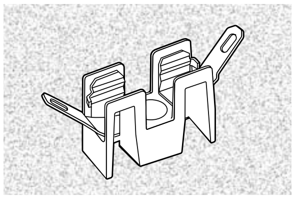
- For use with printed circuit boards
- Use with 1/4" diameter fuses with end stops



Part Number		Price per ea.
49-1272-00	PC Mount Fuseholder	.57

FUSE BLOCKS

- For 1/4" x 1 1/4" fuses
- Features individual barriers to reinforce the fuse clips while providing greater protection against clip damage and electrical shock
- Minimum order 10



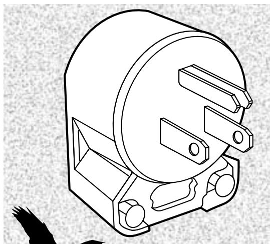
Part Number	Type	Terminal Type	Price per ea.	L/20
49-0563-00	Single	Solder	1.20	1.10
49-0395-00	Triple	3/16" Q.C.	2.05	1.90

HUBBELL VALISE® PLUG AND CONNECTOR

- Totally insulated impact and crush resistant yellow nylon body
- Unique patented clamp type terminals provide a superior electrical connection by "bundling" the conductor strands when clamps are tightened
- 8 specially designed load bearing locking lugs insure a positive fit.
- Powerful cord grips prevent conductor slippage and strain on wiring terminals
- Dead-Front Construction
- 2-Pole, 3-Wire Grounding
- Cord Diameter .220" - .660"
- UL & CSA listed, NEMA 5-15
- 15 Amp, 125 Volts

Part Number	Description	Length	Hubbell P/N	Price Each	L/6	L/12
91-4001-00	Plug Male	1.88"	5965VY	16.80	15.95	15.10
91-4002-00	Connector Female	2.63"	5969VY	29.95	25.95	23.95

EAGLE SUPER SPEC 90° ANGLE PLUG

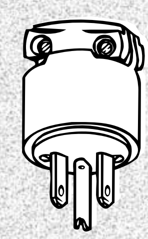


- Allows equipment to be moved closer to wall
- 12A-125V, 2-Pole, 3-Wire Grounding
- 8 rotating positions to allow placement of cord in most convenient location
- UL & CSA listed
- Black color
- Made in the U.S.A.

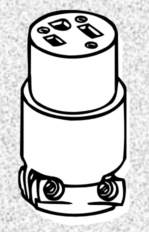
Part Number		Price per ea.	L/6
91-4000-00	Eagle Super Spec 90° Angle Plug	9.15	8.55

EAGLE THERMOPLASTIC PLUG & CONNECTOR

- Solid brass plug blades are firmly embedded into body
- Terminal screws are large head type for easy wiring, separated by barriers to prevent flashover or short circuits
- Strain relief clamps are superior designs, providing a secure mechanical grip
- Yellow thermoplastic is rigid and virtually unbreakable and can be used for hard service applications
- Dead-Front Construction
- 2-Pole, 3-Wire Grounding with cord clamp
- Cord diameter .250" - .655"
- UL & CSA listed, NEMA 5-15(15A), 5-20(20A)
- 125 Volts
- Made in the U.S.A.



Plug Male



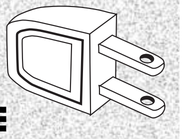
Connector Female

15 AMP TYPE:

Part Number		Dia.	Length	Eagle P/N	Price per ea.	L/10	L/20
27-1003-00	Plug Male	1-17/32"	1-3/4"	4867	5.20	4.60	4.10
27-1004-00	Connector Female	1- 7/32"	2-19/32"	4887	8.25	7.80	7.10

EAGLE EASY INSTALL PLUG

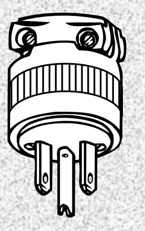
- 10A, 125V
- Cord size: 18-2 SPT-1
- Color: brown



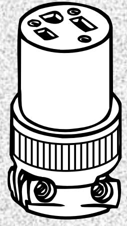
Part Number		Price per ea.
91-1168-10	Easy Install Plug	1.50

EAGLE ARMORED PLUG & CONNECTOR

- Steel clamps and armor are heavily plated for corrosion resistance
- Armor is knurled for easy gripping
- Solid brass plug blades are firmly embedded into body
- Terminal screws are large head type for easy wiring, separated by barriers to prevent flashover or short circuits
- Strain relief clamps are superior designs, providing a secure mechanical grip
- Vinyl Dead-Front Construction
- 2-Pole, 3-Wire Grounding with cord clamp
- Cord diameter .250" - .625"
- UL & CSA listed, NEMA 5-15
- 15 AMP, 125 Volts
- Made in the U.S.A.



Armored Plug Male



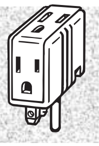
Armored Connector Female

15 AMP TYPE (125V):

Part Number		Dia.	Length	Eagle P/N	Price per ea.	L/10	L/20
91-1168-00	Armored Plug Male,	1-1/2"	2"	2867	3.29	2.99	2.79
91-1169-00	Armored Connector Female	1-1/2"	2-19/32"	2887	3.99	3.69	3.49

HEAVY-DUTY CUBE TAP

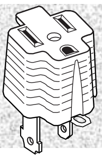
- 3-socket, 3-wire, 15A 125V
- Color: brown



Part Number		Price per ea.	L/6
43-0527-00	Heavy Duty Cube Tap	6.30	5.00

VINYL GROUND ADAPTER

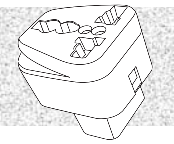
- Connects a 2-wire system to a 3-wire ground
- 15A 125V
- Durable vinyl and metal construction



Part Number		Price per ea.	L/10
91-0042-00	Vinyl Ground Adapter	.67	.59

TRIPLE GROUND PLUG

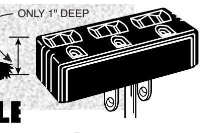
- Converts single receptacle to 3 outlets
- 15A, 125VAC, NEMA 5-15
- 1” deep
- Color: Brown



Part Number		Price per ea.
49-0952-00	Triple Ground Plug	6.25

UNIVERSAL ADAPTER PLUG IEC TO UNIVERSAL

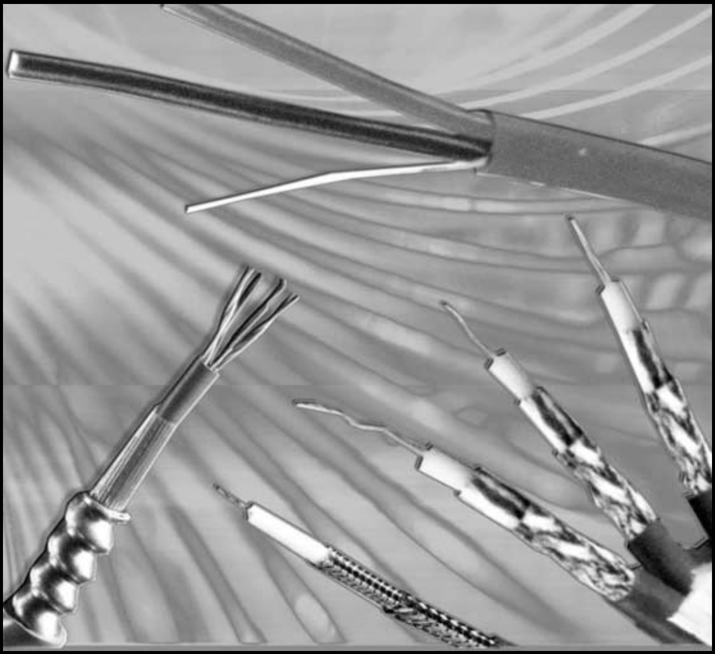
- Easily convert your IEC plug to a Universal plug
- 15A/125V or 10A/250V



Part Number		Price per ea.
95-1513-00	Universal Adapter Plug IEC to Universal	7.45

HAPP CONTROLS

Your Source for Quality Wire, Cable and Accessories



Hook-up Wire

Cat 5 Cable

Cat 5E Cable

Cat 6 Cable

Fiber Optic Cable

Fiber Optic Cleaning Kits

Connectors

Power Cable

Power Cords

Tools

Fiber Optic Termination Kits

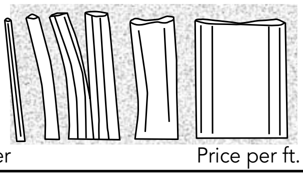
Our Experienced Sales Staff is waiting to help you with your cabling needs. Please have the following information handy so they can assist you with your order in a more timely manner.

Information we need to process your order

- Type: Cat 5, Cat 5E, Cat 6, Fiber Optic
- Color
- Gauge
- How Many Pairs
- Jacket: Plenum or Non-Plenum, PVC
- Shielded or Non-Shielded
- Size of spool: 500 ft. or 1,000 ft.
- Specific brands are available, what is your choice

HEAT SHRINK TUBING

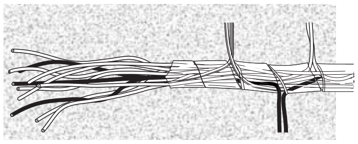
- Black polyolefin tubing
- 100 ft. per spool
- Sold by the foot



Part Number	Diameter	Price per ft.
95-0623-00	1/16"	.51
95-0624-00	1/8"	.69
95-0622-00	3/16"	.75
95-0625-00	1/4"	.91
81-0001-00	1/2"	1.35
95-0888-00	3/4"	1.55

SPIRAL CUT WRAP

- Polyethylene material
- Nominal O.D. .250"
- Nominal wall .031"
- Nominal pitch 3/8"
- Maximum bundle 2"
- Sold per foot
- 100 ft. per spool



Part Number		Price per ft.
43-1019-00	Spiral Cut Wrap	.67

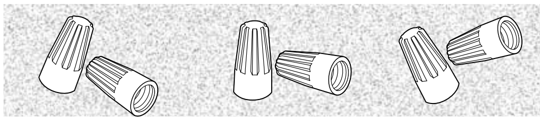
BLACK CORRUGATED SPLIT LOOM

- Ideal use in video games, casino gaming, vending and computer applications
- Enables you to maintain a safe and well-organized working environment
- Also known as flex tubing
- Made from polyethylene
- Heat resistant up to 200 degrees F
- Also offers protection from water, snow, ice and salt
- Sold in 100ft rolls, which allows cutting to any length
- Available in three sizes: 3/8”, 1-1/4” and 2” diameter
- Tubing is silted, which allows one to protect, organize and conceal exposed electrical wires, wire harnesses, cables and hoses by putting them into a neat bundle

Part Number		Price per ea.
64-0095-00	2” Diameter Black Corrugated Split Loom	130.05
64-0095-125	1-1/4” Diameter Black Corrugated Split Loom	95.00
64-0134-00	3/8” Diameter Black Corrugated Split Loom	20.00

SPRING LOADED WIRE CONNECTORS

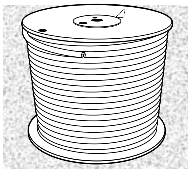
- Positive grip design
- For either solid or stranded wire
- Well suited for all types of splices
- Color-coded to make selection on the job easier
- Molded of pliable, fire resistant thermoplastic that is virtually indestructible
- Unique, fully-seated square-wire spring on the inside forms its own threads to draw the connector completely onto wire combinations
- Wide-throat skirt to guard against flashover
- Rated to 105 Degrees C
- UL and CSA listed



Part Number		Color	Wire Gauge	Bag of 100
43-0484-00	Spring Loaded Wire Connectors	Gray	22-16	9.90
43-0483-00	Spring Loaded Wire Connectors	Orange	22-14	12.35
43-0482-00	Spring Loaded Wire Connectors	Yellow	18-12	13.70
43-0917-00	Spring Loaded Wire Connectors	Blue	18-16	16.05

HEAVY DUTY LINE CORD

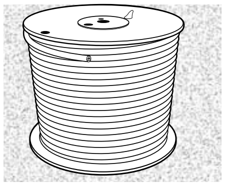
- Stranded 3-wire
- Black rubber cover
- Ideal for use in power cords for machines
- 250' per roll
- Minimum order 250'



Part Number	Gauge	Volts	Diameter	Price per ft.	L/250 ft.	L/500 ft.
80-0045-16G	16	600	.435		.59	.56
80-1147-00	14	300	.350		.89	.79

HOOK-UP WIRE

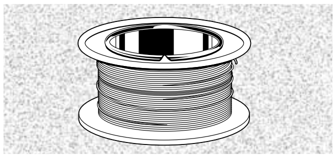
- Stranded wire
- 16, 18, 20, 22 and 26 gauge available
- Various colors available
- Custom color codes can be special ordered
- Sold in 500 ft. or 1000 ft. rolls
- UL listed



Part Number	Gauge	Feet per roll	Color Code	Price per roll
64-0055-00	16	500	Green	23.95
64-0056-00	16	500	White	23.95
64-0057-00	16	500	Black	31.60
64-0058-00	16	1000	Black	47.85
64-0059-00	16	1000	Red	47.85
49-3067-00	18	500	Yellow	25.50
49-1726-00	18	1000	Black	37.15
49-1116-00	20	500	Red	21.30
49-1098-00	20	500	Blue	21.30
49-1097-00	20	500	Violet	21.30
49-1092-00	20	500	Yellow	21.30
49-1088-00	20	500	Green	21.30
49-1086-00	20	500	White	21.30
49-1078-00	20	500	Brown	21.30
49-1119-00	20	500	Orange	21.30
49-1110-00	20	500	Black	21.30
49-1105-00	20	500	Gray	21.30
49-1207-00	22	500	Red	17.05
49-0361-00	22	1000	Red	21.85
49-1139-00	22	500	Blue	17.05
49-1154-10	22	1000	Blue/Black Stripe	43.70
49-1138-00	22	500	Violet	17.05
49-1152-00	22	500	Yellow	17.05
49-1152-10	22	1000	Yellow	21.85
49-1149-00	22	500	Green	17.05
49-1209-00	22	500	White	17.05
49-1209-10	22	1000	White	21.85
49-1133-10	22	1000	White/Green Stripe	43.70
49-1130-10	22	1000	White/Black Stripe	43.70
49-1128-00	22	500	Brown	17.05
49-1121-00	22	500	Orange	17.05
49-1172-00	22	500	Black	17.05
49-1173-00	22	500	Gray	17.05
49-1173-10	22	1000	Gray	21.85
49-1188-00	26	500	Red	14.90
49-1184-00	26	500	White	14.90
49-1183-00	26	500	Brown	14.90
49-1182-00	26	500	Orange	14.90
49-1181-00	26	500	Black	14.90
49-1180-00	26	500	Gray	14.90
49-1187-00	26	500	Violet	14.90
49-1186-00	26	500	Yellow	14.90
49-1185-00	26	500	Green	14.90

WIRE WRAP

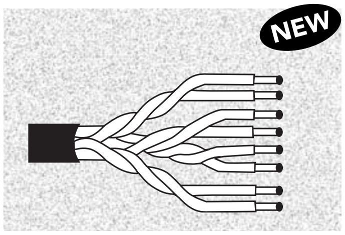
- 30 AWG wire wrap
- Sold by the roll only
- 50 ft. per roll
- Used to repair traces



Part Number		Price per roll
49-1275-00	Blue	19.75
49-1276-00	Yellow	19.75
49-0843-00	White	19.75

CAT 5 CABLE

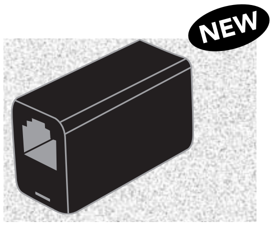
- 24 AWG solid bare copper
- Four unbounded twisted pairs
- 1,000 foot put-ups



Part Number	Type	Belden No.	Shielded	Plenum	Color	Price per box
49-1472-00	CAT5	1624P	Yes	Yes	Gray	465.00
49-1473-00	CAT5	1624P	Yes	Yes	Blue	465.00
43-1735-00	CAT5	1624P	Yes	Yes	Red	465.00
49-0964-1624R	CAT5	1624R	Yes	No	Blue	245.00
49-1361-00	CAT5E	1585A	No	Yes	Gray	239.70
49-1470-00	CAT5E	1585A	No	Yes	Blue	239.70
49-0129-00	CAT5E	1583A	No	No	Gray	74.45

CAT 5E COUPLER

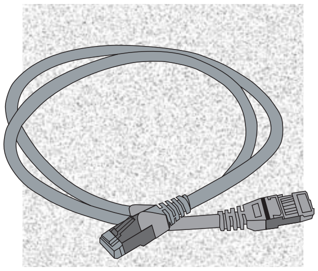
- For Category 5 Enhanced cable
- Gold plated contacts
- Connects two cords
- Color: Black



Part Number		Price per ea.
49-1729-00	CAT 5E Coupler	5.10

CAT 5E SHIELDED PATCH CORDS

- Enhanced 350MBPS
- Shielded RJ45 connectors on each end
- Foil shielded and polyester shielded
- Stranded
- Snagless and molded boots
- Color: Grey



Part Number		Price per ea.
64-0064-00	10' CAT 5E Patch Cord	6.10
64-0063-00	25' CAT 5E Patch Cord	10.35

LANROVERPRO™ CAT 5 TESTER WITH LCD DISPLAY

- High performance cable length measurement CAT 5 tester that identifies multiple faults clearly without interpretation
- Tests for shorts, opens, miswires, reversals and split pairs
- Has one-ended testing with pre-test for fast result, clear wire mapping form displayed on 2-line, 16 character LCD display

- The LanRoverPRO™ has a convenient snap together case for easy storage and convenient patch cable testing
- Auto-off/auto-on. Provides up to 10 times better battery life than other testers
- One-ended testing with Pre-Test mode for fast results
- Built-in tone generator mode with selectable tones and pair capability
- This unit includes a carrying case and patch cables.

Part Number		Price per ea.
92-1135-00	LanRoverPRO™ CAT 5 Tester with LCD Display	197.40

WALKIE-TALKIE LAN CABLE TESTER KIT

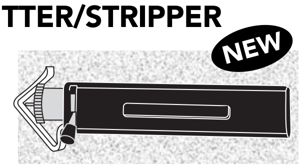
- "Direct Communication" capability via the LAN Cable under test
- Provide in-line communication capability
- With termination kit, easy installer to remote side (at wall plate or patch panel) communication without additional equipment
- Easy to read pin configuration for 10Base-2 Thin Ethernet (BNC), RJ45/RJ11 patch cables, 356A, TIA-568B and Taken Ring cable
- Continuously sequencing LED display provides diagnostic readout while identifying LAN cable continuity, open, short and mis-wire at a glance
- Kit includes master unit, (2) RJ45 plug to RJ12 jack adapters, (2) earphones, (2) BNC 15cm (6") adapter cables, RJ45 15cm (6") cable, BNC M/M adapter, terminator unit, instruction manual and box.

Specifications: Test Mode: Auto/Manual Scan, Communication Mode: Half-Duplex, Maximum Distance: 1,000 feet, Jack Socket: RJ-45, Power: 9 Volt battery per unit (not included)

Part Number		Price per ea.
92-1921-00	Walkie-Talkie LAN Cable Tester	67.95

ROUND CABLE SLITTER/STRIPPER

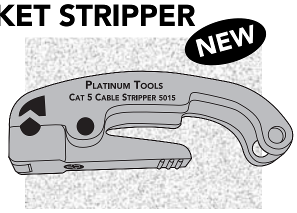
- Slits/strips round cables
- Use on Coax or Cat 5 cables
- Range: 0.18" – 1.0" diameter
- Adjustable cutting depth
- Blade swivels for longitudinal or spiral cuts



Part Number		Price per ea.
92-0352-00	Round Cable Slitter/Stripper	29.95
92-0351-00	Replacement Blade	6.95

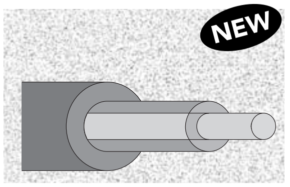
CAT 5 CABLE JACKET STRIPPER

- Designed for Cat 5/5E cables only
- Will not knick inner conductors
- Long life blade
- Durable high impact plastic housing
- Easy to use, no adjustments necessary
- Molded from yellow plastic to make it easier to find. No more lost tools!
- Length: 3.5", weight: 23 grams



Part Number		Price per ea.
92-0613-00	Cat 5 Cable Jacket Stripper	12.70

FIBER OPTIC CABLE



- Glass Fiber Optic Cable used for progressive signage and player tracking systems
- Price per foot
- Sold per roll
- Call for roll size availability (roll sizes vary)
- Quantity discounts available

Part Number		Price per ft.
49-1752-00	Fiber Optic Cable With Glass	1.30

FIBER OPTIC TERMINATION KIT

- Kit includes: cleave tool, crimp tool, fiber stripper, cable stripper, & scissors

Part Number		Price per kit
92-1004-00	Fiber Optic Termination Kit	1560.55

FIBER OPTIC SYSTEM TEST KITS

- Measures insertion loss on 400 Micron V System
- Part 92-1004-09 tests pins SMA connectors and ST connectors
- Part 92-1004-10 tests pins only

Part Number		Price per ea.
92-1004-09	Fiber Optic Kit Tests Pins and Connectors	2803.90
92-1004-10	Fiber Optic Kit Tests Pins Only	2450.15

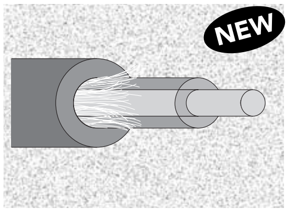
TECHSPRAY FIBER OPTIC CLEANING KIT

- Cleans cable lubricant, hand oils and other contaminants from fiber optics
- Each kit includes:
  - 50 pre-saturated isopropyl alcohol wipes
  - One 10 oz. can Envi-Ro-Tech duster
  - One 2 oz. bottle of isopropyl alcohol
  - 50 narrow tip foam swabs
- 6 kits per case

Part Number		Price per kit
29-0027-00	TechSpray Fiber Optic Cleaning Kit	30.15

FOR CABLE MANAGEMENT SOLUTIONS SEE PAGES 34 & 35

FIBER OPTIC PLENUM SX CABLE WITH KEVLAR



- Glass fiber optic used for progressive signage and player tracking systems
- 2.4mm Plenum Simplex cable
- Price per foot
- Sold per roll
- Call for roll size availability (roll sizes vary)
- Quantity discounts available

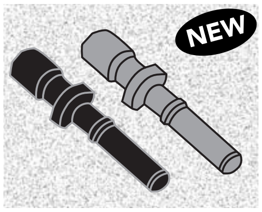
Part Number		Price per ft.
49-1820-00	Fiber Optic Plenum SX Cable With Kevlar	2.05

FIBER OPTIC TOOL KIT

- Kit includes: crimper, nick-free strippers, wire cutters, cutting scissors, true view fiber scope kit, polishing disks, component box, swabs, alcohol bottle, syringe, & tweezers, zippered case

Part Number		Price per kit
92-0977-00	Fiber Optic Tool Kit	134.64

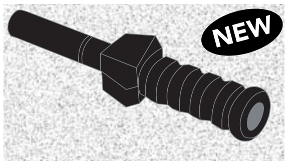
CRIMP AND CLEAVE CONNECTORS



- Used in player tracking systems
- For FiberWire™ V-System 400um
- These connectors can only be terminated with VK-6-400 termination kit, Happ No. 92-1004-00
- Overall connector dimension: 1.18”

Part Number		Price per ea.
49-1753-00	Blue Crimp and Cleave Connector	3.60
49-1754-00	Black Crimp and Cleave Connector	3.60

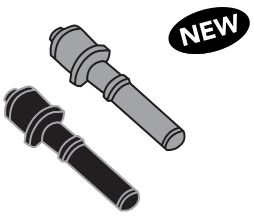
FIBER OPTIC CONNECTOR



- IGT ref # 219 229 90
- Used in Keno Pens

Part Number		Price per ea.
70-0556-00	Fiber Optic Connector	5.10

SIMPLEX CONNECTORS

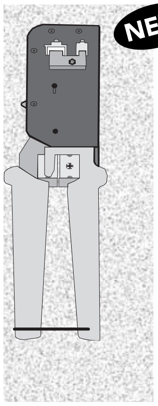


- For plastic optical fiber cable
- Used in Ticket-In / Ticket-Out Cable
- Simplex connector provides a quick and stable connection for applications that require a component-to-connector retention force of 8 Newtons (1.8 lb.)
- Crimp ring included
- Available in gray or blue

Part Number		Price per ea.
HFBR-4501	Simplex Connector, Gray	1.15
HFBR-4511	Simplex Connector, Blue	1.15

EZ-RJ45® TERMINATION KIT

EZ-RJ45® CRIMP TOOL



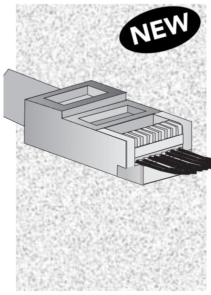
This high quality crimp tool is designed to quickly crimp and cut the wires of the EZ-RJ45® Connector one easy simple operation!

- Works on most other RJ-11, RJ-12 and RJ-45 connectors
- Precision ground crimp dies
- Straight action cut and crimp performs the best crimp
- Full cycle ratcheting mechanism provides consistent terminations every time
- Crimps and cuts the wire in one cycle
- Built in wire cutter and stripper
- High strength, long life steel frame
- Rust resistant black oxide coating
- Superior quality at an economical price
- Use with EZ-RJ45® connector (92-0611-00)
- Length 8”, weight 1lb.

Kit Includes:

- EZ-RJ45® Crimp Tool 92-0612-00
- (50) EZ-RJ45® Connectors 92-0611-00
- (1) Laminated instruction sheet

EZ-RJ45® CONNECTORS



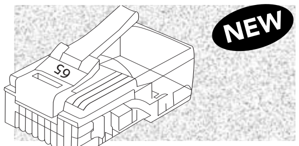
The new patented EZ-RJ45® connector simplifies the twisted pair terminations by allowing the wires to be inserted through the connector and out the front. This allows the technician to easily verify the proper wiring order. Termination is made easier by pulling the connector down over the cable jacket and seating it tightly in the rear of the connector. Reducing the distance between the wire twists and contacts improves performance!

- Simple one-piece design – no bars or liners
- Easy to verify wire sequence
- Reduces scrap, no wasted crimps
- Faster terminations
- More reliable, higher performance
- Compatible with most RJ-45 crimp tools except for AMP
- Crimp with the patented EZ-RJ45® Crimp Tool (92-0612-00) for even faster more reliable terminations
- Use in category 3, 5, 5E and 6
- FCC compliant
- Sold by box of 50

Part Number		Price per ea.
92-0609-00	EZ-RJ45® Termination Kit	90.25
92-0612-00	EZ-RJ45® Crimp Tool Only	63.65
92-0611-00	EZ-RJ45® Connectors Only (Min Box of 50)	.62

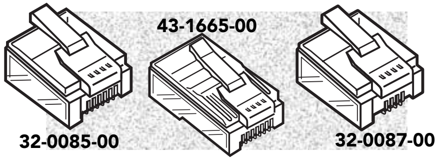
MODULAR RJ45 PLUG

- For use with solid conductor round cable
- 8 position, 8 contacts
- Unshielded



Part Number		Price per ea.
27-1349-00	Modular RJ45 Plug	.46

RJ11 & RJ45 MODULAR PLUGS



Two Prong Stranded Flat Cable Plugs

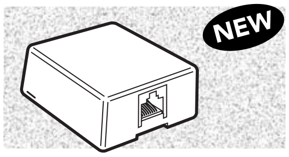
Part Number		Price per ea.
32-0085-00	RJ11 6P4C Plug	.17
43-1665-00	RJ11 6P6C Plug	.17
32-0087-00	RJ45 8P8C Plug	.18
32-0095-10	RJ45 8P8C Plug, Shielded	1.25

Two Prong Solid Round Cable Plug

Part Number		Price per ea.
32-0089-00	RJ45 8P8C Plug	.21
32-0095-00	RJ45 8P8C Plug, Shielded	1.20

SCREW TYPE MODULAR JACK ASSEMBLY

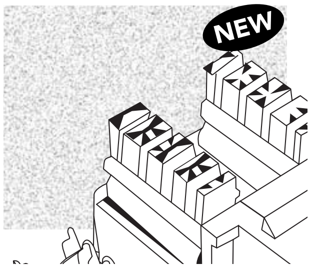
- Single jack with snap cover
- Double sided sticker
- Mounting screws included
- Gold plated contacts
- Wiring: 6P4C - USOC; 8P8C - AT&T



Part Number		Price per ea.
32-0091-00	6P4C Modular Jack Assembly	1.35
32-0092-00	8P8C Modular Jack Assembly	1.60

90° 110 STYLE MODULAR CAT 5 JACK

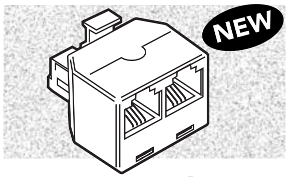
- Designed to be used with the 110 type punch down tool
- The mini jack universal design will fit in most keystone hole openings such as Amp, Hubbell, Krone, ICC or other .58” x .76” standard sizes
- The 110 IDC contacts will accommodate 22-26 AWG solid wire
- Color: Blue



Part Number		Price per ea.
27-1350-00	90° 110 Style Modular Cat 5 Jack	4.30

RJ11 DUPLEX ADAPTER

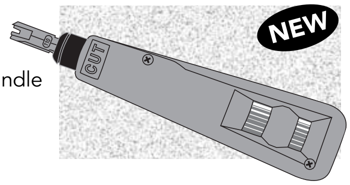
- Splits one line into two
- Ivory color
- Gold plated contacts
- 6P4C plug, 2 6P4C jacks



Part Number		Price per ea.
32-0090-00	RJ11 Duplex Adapter	1.35

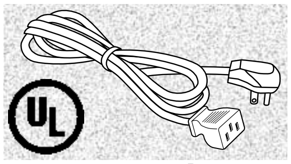
PUNCHDOWN TOOL WITH BLADE

- Spring loaded impact
- Hi-Lo settings
- Spare blade storage in handle
- Blades / Handle inter-changeable with Harris-Dracon 814 tool
- Type 110



Part Number		Price per ea.
92-0901-00	Punchdown Tool With Blade	48.60

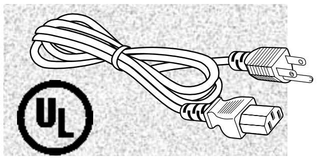
HEAVY DUTY APPLIANCE CORD



- For Refrigerators, Air conditioners, etc
- 14 gauge, 3-wire
- 9 ft. long
- UL listed

Part Number		Price per ea.
49-0950-00	Heavy Duty Appliance Cord	15.95

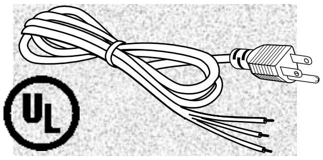
POWER CORD



- 3-wire, SJT black jacket
- 8 ft. or 6 ft. long
- 3-prong plug on one end, 3-hole computer style receptacle on the other end
- UL Listed

Part Number		Price per ea.
80-0213-00	16-Gauge, 8' Long	11.20
80-1205-00	18-Gauge, 6' Long	5.00

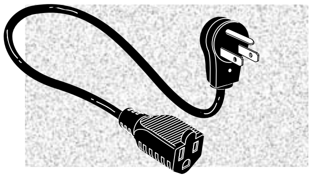
POWER CORD



- 10 ft. length
- 3-Wire plug on one end, bare wires on other end
- 12 per case
- UL Listed

Part Number		Price per ea.
80-1200-00	Power Cord, 18-Gauge	3.50

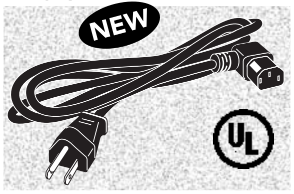
POWER CORD WITH ANGLE PLUG



- Angle plug allows machine to be put closer to wall
- 18" long
- 16 gauge, 3-wire
- Black SSJT jacket

Part Number		Price per ea.
49-3072-00	Power Cord with Angle Plug	11.20

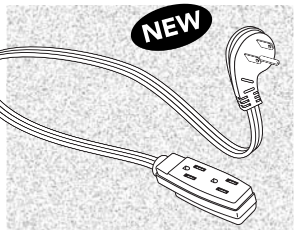
6 FT. POWER CORD WITH RIGHT ANGLE FEMALE PLUG



- 3-Wire, SVT black jacket
- 6 ft. long
- 125V, 10A
- UL

Part Number		Price per ea.
80-1205-RA	6Ft. Power Cord w/Right Angle Female Plug	4.90

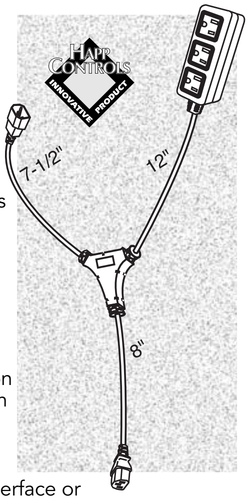
SLENDER PLUG EXTENSION CORD



- Low profile 3-outlet extension cord
- Used for the Spintek hopper fill
- Plug is only 1/2" thick
- 13A, 125V, 1625W
- 16-gauge, 3-wire
- UL recognized

Part Number		Price per ea.
80-0328-00	Slender Plug, 3 ft.	6.10

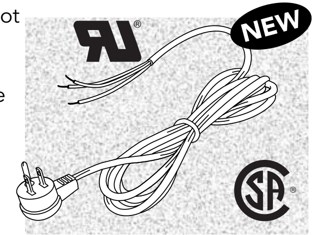
THE "SPIDER" POWER CORD



- A Happ Controls exclusive
- Unique power cord for slot machines, video games, kiosks and other applications
- Allows connection of peripheral accessories and still have outlet free for other accessories
- Plugs into the 120 VAC power source and gives you 3 additional outlets (current 5 to 6 amps)
- Within a slot machine, such as IGT Eye Games, Game Kings, and others it allows connection of a player tracking system and a progressive sign and still have an outlet free for other 110 VAC accessories
- Within a video game, it allows connection of a 110 VAC bill validator, soldering iron or other 110 VAC accessories
- Within a kiosk, it allows connection of a 110 VAC bill validator, plug-in power supply for audio amplifier or trackball interface or other 110 VAC accessories
- Black SVT 18-gauge, 3-wire

Part Number		Price per ea.
80-1143-00	The "Spider" Power Cord	14.85

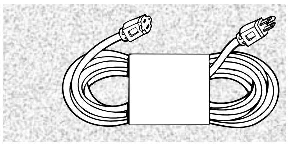
HEAVY-DUTY POWER CORD WITH 90° PLUG



- Ideal for vending machines, slot machines, amusement games and other devices
- 90° plug allows machine to be put closer to the wall
- Black SJT jacket
- UL recognized
- CSA approved
- 9 ft. 14-gauge, 3-wire or 12 ft. 16-gauge, 3-wire available

Part Number		Price per ea.
80-1200-14	Power Cord With 90° Plug, 9ft./14ga.	6.30
49-0948-16	Power Cord With 90° Plug, 12ft./16ga.	6.65

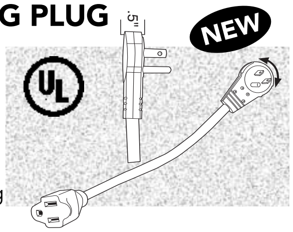
EXTENSION CORD



- 16 gauge/3-wire, SJTW
- 15A/300V
- UL listed
- SJTW cords resist deterioration from moisture and abrasion
- Manufactured with stranded and cabled copper conductors and solid molded plugs for longer life
- Outer jacket will not mark floors or walls

Part Number		Price per ea.
80-0300-00	15 ft. Extension Cord - Orange	12.30
80-0300-01	15 ft. Extension Cord – Black	12.30

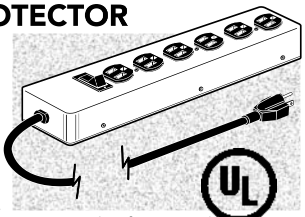
12" POWER CORD ADAPTER WITH ROTATING PLUG



- 12" length
- Color: Gray
- Wire: 14 gauge stranded
- UL listed
- Converts any 110V (up to 14 gauge) two or three prong plug to a 90-degree plug
- Plug also rotates 360 degrees to adapt to any outlet
- Allows placement of equipment closer to wall

Part Number		Price per ea.
49-6241-00	12" Power Cord Adapter With Rotating Plug	7.25

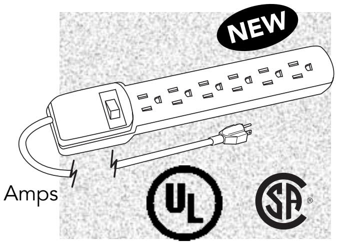
6-OUTLET POWER STRIP WITH SURGE PROTECTOR



- Ideal for rows of vending machines or games
- Protects equipment from dangerous power surges and spikes that can destroy delicate electronic circuitry
- Lighted ON, OFF switch
- Built-in resettable circuit breaker
- Built-in brackets for easy mounting
- 125V AC, 15 Amps
- Rugged 6 foot cord
- UL listed
- Durable metal construction

Part Number		Price per ea.	L/6
49-0487-00	Six Outlet Power Strip with Surge	14.60	12.80

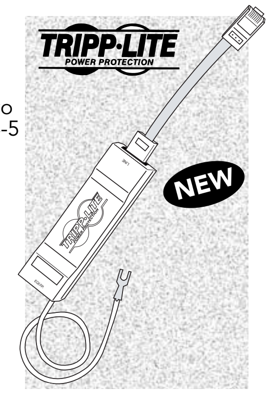
POWER STRIP WITH SURGE PROTECTOR



- 6 outlets
- 3 ft. power cord
- Heavy duty plastic case
- 1 MOV surge protection
- L-N surge protection
- EMI/RFI noise filtration
- LED indicator, 125V AC, 15 Amps
- UL listed, CSA
- Protect your equipment from power surges and spikes
- Integrated circuit breaker switch with auto reset

Part Number		Price per ea.	L/12
49-0963-10	Power Strip with Surge Protector	5.25	4.95

ON-LINE GAME SURGE SUPPRESSOR



- Protect your on-line equipment from lightning strikes through the phone line, electrostatic discharge, faulty wiring
- Offers simultaneous protection of two dialup telephone lines (RJ45, wires 4-5 and 3-6, 260V clamping)

  Perfect for any on-line game or equipment
  - Golden Tee™ Golf games
  - Counter top games
  - Digital download jukeboxes
- 6-inch heavy gauge grounding lead
- 5-inch patch cable included
- Maximum current: 250 amps
- Instruction manual and warranty information included
- Lifetime product warranty
- Compatible with RJ11 or RJ45 style connectors

Part Number		Price per ea.
80-1248-00	On-Line Game Surge Suppressor	25.99

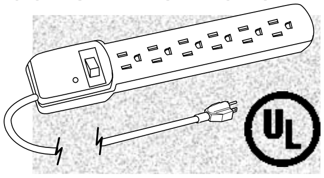
Visit Our Web Site:
for NEW Product Updates!!

TRIPP LITE SUPER 7 SURGE SUPPRESSOR

- Great for slot machines, video games, vending equipment, computers, and other electronic equipment
- More Joules mean more protection - Surge energy absorption: 2,350 joules
- 7 outlets
- 7-ft. cord with space-saving right-angle plug
- $75,000 Ultimate Lifetime Insurance covers connected equipment
- Can accommodate up to 3 transformers without blocking remaining outlets
- Diagnostic LEDs indicate protection present and ground present
- EMI/RFI noise filtering
- Keyhole supports for wall mounting
- Two position on/off power switch
- Lifetime product warranty
- Size: 1.5” X 2.75” X 10.25”; UL1449, UL1363, cUL / CSA
- 12 per carton

Part Number		Price per ea.
49-5296-00	Tripp Lite Super 7 Surge Suppressor	29.35

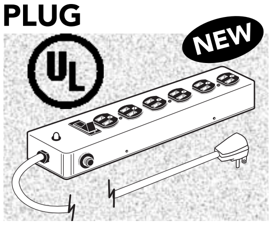
POWER STRIP WITH SURGE PROTECTOR



- Protect your equipment from power surges and spikes
- 6 outlets
- Lighted ON/OFF switch
- Plastic case
- UL listed

Part Number		Price per ea.	L/12
49-0963-00	4 ft. Power Strip with Surge Protector	8.65	8.15
49-1356-00	6 ft. Power Strip with Surge Protector	9.15	8.65

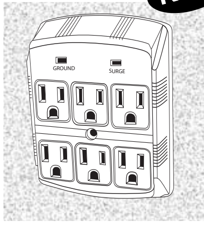
6-OUTLET METAL POWER STRIP WITH RIGHT ANGLE PLUG



- Full 3 line surge protection
- Durable metal construction
- UL listed
- Built-in brackets for easy mounting
- Circuit breaker prevents overloading
- Rugged 6 foot 14AWG SJT cord
- Rating: 125V AC, 15 Amps, 1875W, 3 x 75 joules
- Neon light indicating ON/OFF & protection
- Right angle plug allows this power strip to be mounted in areas that are tight on space
- Protects equipment from dangerous power surges and spikes

Part Number		Price per ea.	L/6
49-0487-90	6 Outlet Power Strip w/ Right Angle Plug	14.90	13.10

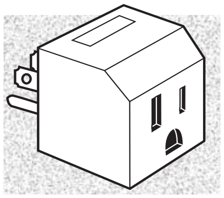
COMPUTER SURGE PROTECTOR



- 6-outlet / 3-conductor
- Converts your duplex wall outlet into six surge protected outlets
- Protection indicator lights
- UL listed; Color: off-white
- Surge protection: 750 joules
- Lifetime 100% equipment replacement guarantee from manufacturer
- Power shut down protection – When surge protection capacity is reached, power shuts off

Part Number		Price per ea.
64-0075-00	Computer Surge Protector	14.20

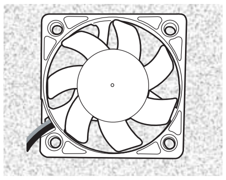
SINGLE OUTLET SURGE PROTECTOR



- UL listed
- 15A-125VAC, 1875 watts rating
- Clamping voltage: 330 volts
- Maximum spike current: 4500 amps
- Maximum surge voltage: 6000 volts
- Surge protection on all three lines
- Response time: Less than 1 nanosecond
- Prevents dangerous power surges that can destroy delicate electronic circuitry
- Indicator light signals surge protection is on
- Maximum surge dissipation: 270 Joules

Part Number		Price per ea.	L/6
27-1007-00	Single Outlet Protector	9.45	9.35

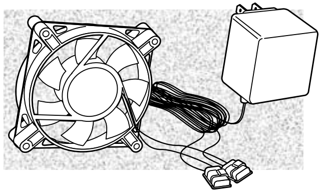
COOLING FAN FOR MERIT POWER SUPPLY



- Replaces FD8015B12W3
- 3-1/8” x 3-1/8” x .59” (80mm x 80mm x 15mm)
- Sleeve bearing
- 12VDC
- 3500 rpm, 45 cfm

Part Number		Price per ea.
80-0006-35	Cooling Fan for Merit Power Supply	5.20

COOLING FAN WITH 110VAC ADAPTER

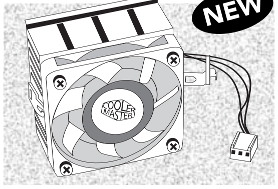


- 3 -1/8" x 1" 12vdc fan
- 110v adapter pre-wired
- Simply plug adapter into a 110v outlet and the fan will power up

Part Number		Price per ea.	L/25	L/50
80-1140-00	Cooling Fan with 110vac Adapter	24.15	20.50	18.15

SOCKET 7 CPU FAN

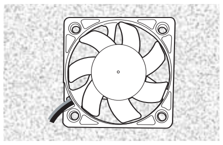
NEW



- 12VDC ball bearing fan
- 3 pin connector
- 9.21~10.3cfm
- 5000 rpm
- Noise level: 27~30dB
- Used on Sigma Slot Machines
- Dimensions: 2” x 2” x 1.25” with heat sink
- For AMD K6/K6-2/K6-III, Intel Pentium 60~266MHz, Cyrix 6x86, 6x86MX and MII and IBM 6x86 processors

Part Number		Price per ea.	L/6
80-0006-13	Socket 7 CPU Fan	12.45	11.45

COOLING FAN FOR MERIT CPU

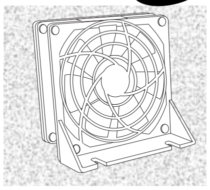


- Ball bearing fan used in Merit Megatouch for the CPU board
- 50mm x 50mm x 10mm
- 12VDC, 0.16A

Part Number		Price per ea.
80-0006-15	Cooling Fan for Merit CPU	9.55

COOLING FAN ASSEMBLY WITH BASE AND 6” LEADS

NEW

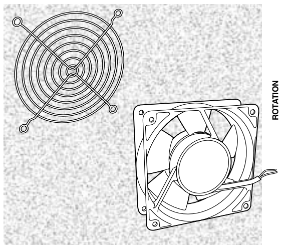


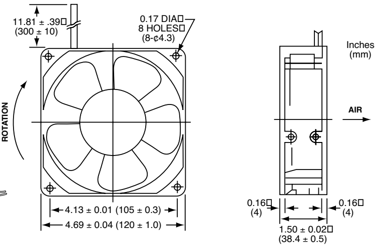
- Fan size is: 3.15” x 3.15” x 1”
- Sleeve bearing
- Mounting base and grilles included
- 6” leads with connector
- Easily mounts to cabinet to cool CPU boards
- This is an original Midway item used in games like: Gauntlet, Hyperdrive, Road Burners
- 12vdc, brushless
- UL and CE approved

Part Number		Price per ea.
A-21055	Cooling Fan Assembly with Base and 6” Leads	9.55

COOLING FAN

- Industry standard size 4.69" square x 1.5" deep
- Low noise; impedance protected
- 110/120V AC fan easily mounts in most equipment
- Sealed ball or sleeve bearing type
- 98-106 CFM, 2,900 - 3,200 RPM
- Cast aluminum frame





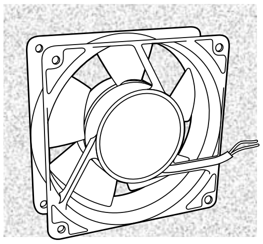
MOUNTING DIMENSIONS

Part Number		Price per ea.	L/25
80-0006-10	Fan with Sealed Ball Bearings with Wire Leads	17.20	14.90
80-0006-11	Fan with Sleeve Bearings	14.30	12.95
80-0006-20	Metal Guard for Cooling Fan	1.60	1.45

3-1/2” BALL BEARING FAN

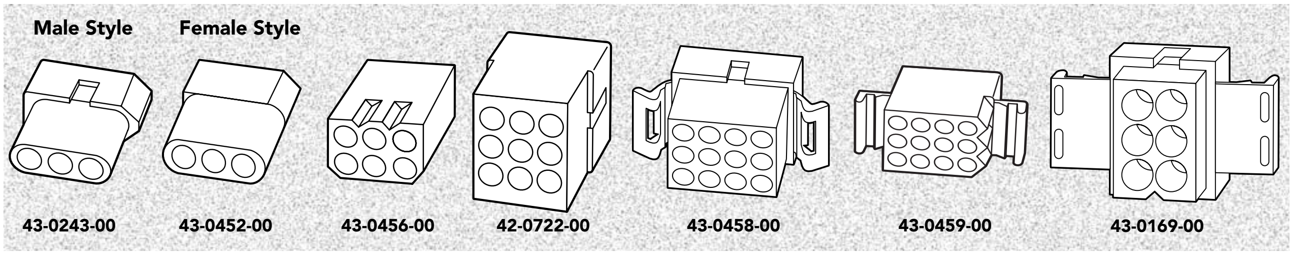
NEW

- 15/16” x 3-1/2” x 3-1/2”
- 50/60 Hz



Part Number		Price per ea.
70-0226-00	115 Volt Fan	20.50
70-0226-10	12 Volt Fan	18.05
70-0226-50	Finger Guard for 3-1/2" Fan	2.95

MOLEX CONNECTORS



- Commonly used on all types of equipment
- Various sizes available
- Passive (friction) lock
- UL File No. E-29179
- Natural Nylon Color
- 2 Different sizes (.093" and .062")

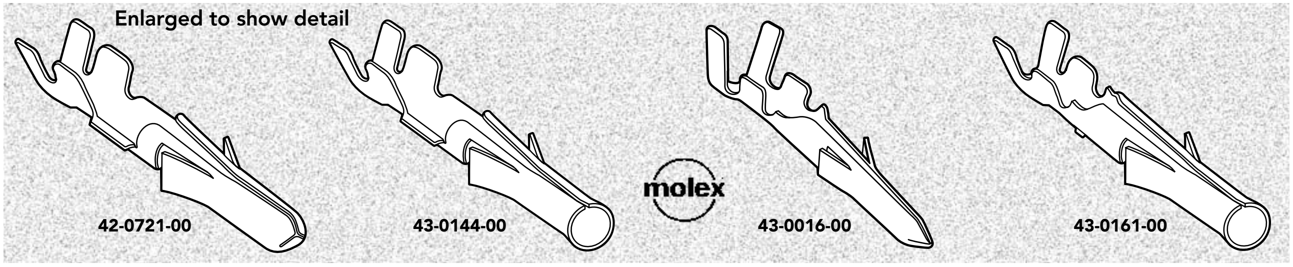
.093" Family

Part Number		Molex Ref. No.	Price per ea.	L/25
43-0250-00	2-Pin Male	03-09-2022	.67	.62
43-0248-00	2-Pin Female	03-09-1022	.67	.62
43-0243-00	3-Pin Male	03-09-2032	.93	.88
43-0452-00	3-Pin Female	03-09-1032	.93	.88
43-1105-00	4-Pin Male Square	03-09-2040	1.10	.98
43-1107-00	4-Pin Female Square	03-09-1040	1.10	.98
43-0453-00	4-Pin Male (Vertical)	03-09-2042	1.10	.98
43-0255-00	4-Pin Female (Vertical)	03-09-1042	1.10	.98
43-0454-00	4-Pin Male (Square)	03-09-2049	1.25	1.20
43-0455-00	4-Pin Female (Square)	03-09-1049	1.25	1.20
43-1108-00	6-Pin Male Square	19-09-2068	1.35	1.25
43-1106-00	6-Pin Female Square	19-09-1069	1.35	1.25
43-0491-00	6-Pin Male	03-09-2062	1.35	1.25
43-0456-00	6-Pin Female	03-09-1064	1.35	1.25
42-0722-00	9-Pin Male	03-09-2092	1.55	1.50
43-0143-00	9-Pin Female	03-09-1094	1.55	1.50
43-0458-00	12-Pin Male w/ Ears	03-09-2122	1.65	1.60
43-0459-00	12-Pin Female w/ Ears	03-09-1121	1.65	1.60
43-0460-00	15-Pin Male w/ Ears	03-09-2158	1.85	1.80
43-0461-00	15-Pin Female w/ Ears	03-09-1154	1.85	1.80

.062" Family

Part Number		Molex Ref. No.	Price per ea.	L/25
43-0015-00	2-Pin Male	03-06-2023	.60	.53
43-0444-00	2-Pin Female	03-06-1023	.60	.53
43-0017-00	3-Pin Male	03-06-2032	.69	.64
43-0467-00	3-Pin Female	03-06-1032	.69	.64
43-0468-00	4-Pin Male (Vertical)	03-06-2042	1.20	1.10
43-0469-00	4-Pin Female (Vertical)	03-06-1042	1.20	1.10
43-0470-00	4-Pin Male Square	03-06-2044	1.20	1.10
43-0471-00	4-Pin Female Square	03-06-1044	1.20	1.10
43-0169-00	6-Pin Male	03-06-2062	1.35	1.25
43-0332-00	6-Pin Female	03-06-1062	1.35	1.25
43-0472-00	9-Pin Male	03-06-2092	1.25	1.15
43-0473-00	9-Pin Female	03-06-1092	1.25	1.15
43-0474-00	12-Pin Male	03-06-2122	1.25	1.20
43-0475-00	12-Pin Female	03-06-1122	1.25	1.20
43-0476-00	12-Pin Male w/ Ears	03-06-2121	1.25	1.20
43-0477-00	12-Pin Female w/ Ears	03-06-1121	1.25	1.20
43-0478-00	15-Pin Male w/ Ears	03-06-2151	1.60	1.55
43-0479-00	15-Pin Female w/ Ears	03-06-6155	1.60	1.55

MOLEX PINS (TERMINALS)



- Pins/Terminals required for use in above Molex connectors
- Snap-fit design allows for reliability and ease of installation
- Minimum order 10
- Molex quality

.093" Family

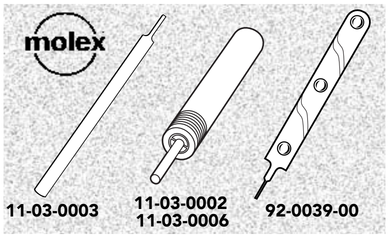
Part Number		Molex Ref. No.	Price per ea. L/10	L/100	L/1000
42-0721-00	Male .093" Pin (Terminal)	02-09-2118	.15	.14	.13
43-0144-00	Female .093" Pin (Terminal)	02-09-1119	.15	.14	.13

.062" Family

Part Number		Molex Ref. No.	Price per ea. L/10	L/100	L/1000
43-0016-00	Male .062" Pin (Terminal)	02-06-2103	.15	.14	.13
43-0161-00	Female .062" Pin (Terminal)	02-06-1103	.15	.14	.13

MOLEX PINS (TERMINAL) EXTRACTOR TOOL

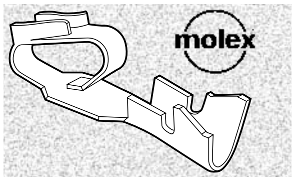
- Allows easy removal of Molex pins from connector
- A must for every toolbox
- For servicing of Molex connectors



Part Number		Molex Ref. No	Price per ea.
11-03-0006	Molex Extractor Tool for .093" Pins	11-03-0006	20.20
11-03-0002	Molex Extractor Tool for .062" Pins	11-03-0002	20.20
11-03-0003	Molex Extractor Tool for .156" Pins	11-03-0003	10.60
92-0039-00	Molex Extractor Tool for .165" Pins	11-03-0044	31.90

MOLEX TRIFURCON CRIMP-STYLE TERMINAL

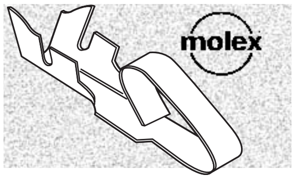
- For use with all female connectors with .156 centers
- For wire size 18-24 AWG
- Grips on three sides instead of only one
- Molex ref. no 08-50-0189



Part Number		Price per ea. L/10	L/100	L/1000
43-0515-00	Molex Trifurcon Crimp-Style Terminal	.20	.19	.16

MOLEX CRIMP-STYLE TERMINAL

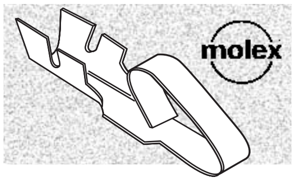
- For use with all Molex female connectors with .156 centers
- For wire size 18-24 AWG
- Molex ref. no 08-50-0106



Part Number		Price per ea. L/10	L/100	L/1000
43-0523-00	Molex Crimp-Style Terminal	.21	.20	.17

MOLEX CRIMP-STYLE TERMINAL

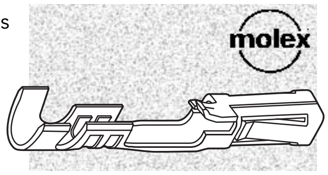
- For use with female connectors with .100 centers
- For wire size 22-30 AWG
- Molex ref. no 08-50-0114



Part Number		Price per ea. L/10	L/100	L/1000
43-0524-00	Molex Crimp-Style Terminal	.21	.20	.17

MOLEX C-GRID FEMALE TERMINAL

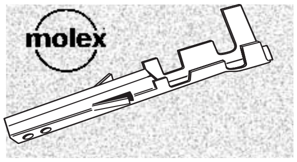
- Used on bill validator harness
- Used with crimp housing 43-0817-00
- .100 pitch
- 250V 3 amp
- Ref. No. 16-02-0069
- Sold in packs of 100



Part Number		Price per ea. L/10	L/100	L/1000
43-0816-00	C-Grid Female Terminal	.21	.20	.17

MOLEX MINI-FIT TERMINAL

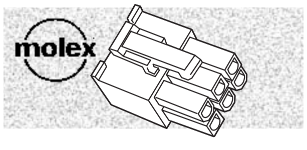
- Female terminal, 18-24 AWG
- Molex ref. no. 39-00-0039



Part Number		Price per ea. L/10	L/100	L/1000
43-1224-00	Molex Mini-Fit Terminal	.21	.20	.17

MOLEX MINI-FIT JR RECEPTACLE

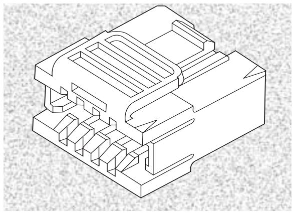
- Dual row
- Molex ref. no. 39-01-2060



Part Number		Price per ea
43-1225-00	Molex Mini-Fit Jr Receptacle	.49
43-1225-01	Strain Relief 15-04-0296	1.25

MOLEX C-GRID INTERIM CLIP

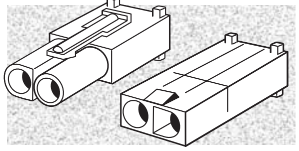
- Used on bill validator harness
- .100 pitch
- Dual row
- Requires two 3-circuit plugs (see 43-0817-00)
- 250V 3 amp
- Sold in eaches



Part Number		Price per ea.
43-0818-00	C-Grid Interim Clip	1.70

MOLEX 2-PIN POWER CONNECTORS

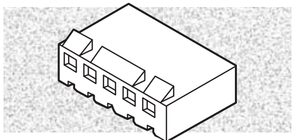
- Male plug mates to power input for both Happ Controls and Wells Gardner monitors (2-pin)



Part Number		MOLEX. No.	Price per ea.	L/10
43-0536-00	2-Pin Male w/o ears .093 centers	19-09-1029	.67	.61
43-0543-00	2-Pin Female .093 centers	19-09-2029	1.55	1.35

MOLEX FEMALE HOUSINGS

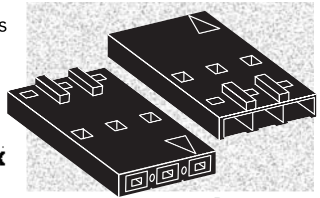
- Used with .156 Header Wafer Connectors



Part Number	Ref. No.		Price per ea.
43-0698-00	09-50-7201	Molex 20-Pin Female Housing	1.35
43-0923-00	09-50-3101	Molex 10-Pin Female Housing	.65
43-0792-00	09-50-3051	Molex 5-Pin Female Housing	.64
43-0924-00	09-50-3041	Molex 4-Pin Female Housing	.64

MOLEX C-GRID CRIMP HOUSING AND PIN

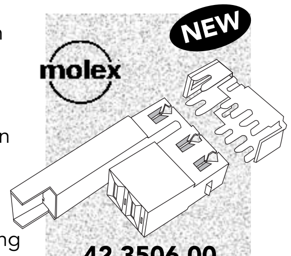
- Used on bill validator harness
- .100 pitch
- Single row version D
- Back ribs
- 3-circuit



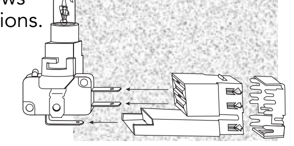
Part Number	Molex No.		Price per ea.
43-0817-00	50-57-9303	C-Grid Crimp Housing	.64
43-1223-00	16-02-0086	Pin for C-Grid Crimp Housing	.14

SWITCH CONNECTOR

- Use on popular miniature snap switches such as Cherry D4, Omron V10G and Microswitch V3
- Fits .187" or .250" terminals for 22 ga. wire
- Single plug convenience for easy on and easy off maintenance
- eliminates incorrect wiring with single disconnects
- Reliable and fast IDC one-time wiring
- Housing and contact design allows for "end" or "through" terminations.
- Eliminates the need for double wire crimp
- UL recognized
- Cover (42-3506-01) provides added strain relief



42-3506-00

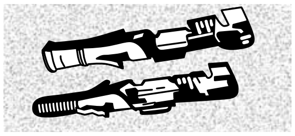


(Lampholder not included)

Part Number		Price per ea.
42-3506-00	Molex Switch Connector	.64
42-3506-01	Molex Connector Cover	.14

AMP TERMINAL PINS

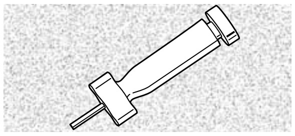
- Sold per each
- Packed in bags of 100



Part Number	Ref. No.		Price per ea.
43-1116-00	1-66103-7	Amp Pin	.67
43-1115-00	1-66105-8	Amp Socket	.81
43-0794-00	170363-1	Amp Pin	.21
43-0793-00	170365-1	Amp Socket	.21
43-0801-00	16-02-0115	Moltex Male C-Grid	.26
43-0800-00	16-02-0103	Moltex Female C-Grid	.26
43-0521-00	350547-1	Amp Pin	.26
43-0522-00	350550-1	Amp Socket	.26

AMP INSERTION/EXTRACTION TOOL

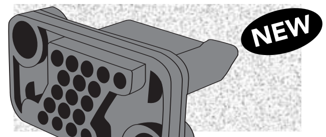
- For AMP connectors



Part Number		Ref. No.	Price per ea.
92-0107-00	AMP Insertion Tool	45580-1	34.95
92-0296-00	AMP Insertion Tool	59804-1	34.35
92-0297-00	AMP Insertion Tool	59803-1	27.90
43-0998-00	AMP Insertion Tool	91002-1	24.31
92-0272-00	AMP Extraction Tool	455822-2	33.20
92-0924-00	AMP Extraction Tool	318837-1	59.35
821903-1	AMP Extraction Tool	821903-1	41.10
822154-1	AMP Extraction Tool	822154-1	8.55

AMP METRIMATE 19-PIN CONNECTOR

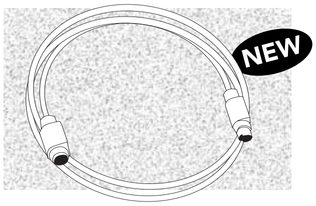
- Commonly used in monitors and slot hoppers
- Connects easily when you cannot visually connect them
- .197 centers
- Color: Black



Part Number		Price per ea.
43-0551-01	AMP Metrimate 19-Pin Connector	1.90

PS/2 EXTENSION CABLE

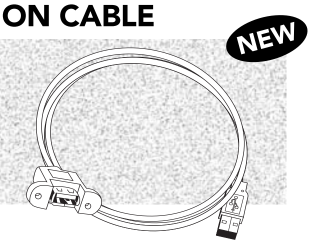
- Shielded and jacketed PVC cable
- Male on one side and Female on the other
- Used to extend length of PS/2 devices such as keyboards, mouse, etc.
- 6′ overall length, 6 pin



Part Number		Price per ea.
55-0273-00	PS/2 Extension Cable, 6′	5.20

USB EXTENSION CABLE

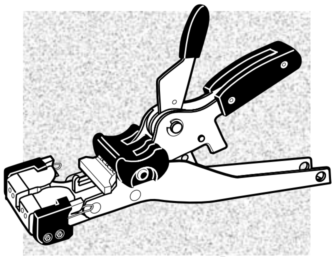
- Used to extend a USB device such as a trackball, keyboard, printer, modem, scanner, digital camera, etc.
- Extends the A connection (flat end) of a USB cable
- Shielded PVC jacketed cable
- 6′ overall length



Part Number		Price per ea.
55-0278-00	USB Extension Cable, 6′	7.30

AMP PICABOND CRIMP TOOL

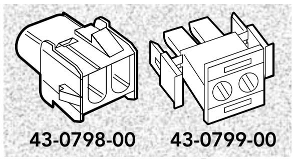
- Amp VS-3 Hand Tool Kit includes a standard VS-3 hand tool assembly, a crimp height gauge, a black nylon cord, a repair tag and a carrying case
- For splicing and bridging wires using Amp Picabond connectors



Part Number	Ref. No.		Price per ea.
43-0795-00	244271-1	Amp Picabond Crimp Tool	361.30
43-0796-00	60947-3	Red Striped Connector	.40
43-0797-00	609454-4	Green Striped Connector	.35

AMP PLUG AND RECEPTACLE

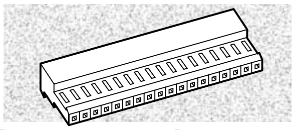
- Available in 2-pin or 12-pin configuration



Part Number	Ref. No.		Price per ea.
43-0799-00	1-480698	2-pin Amp Plug	.72
43-0798-00	1-480699	2-pin Amp Receptacle	.72
43-1046-00	1-480708	12-pin Amp Plug	.97
43-1047-00	1-480709	12-pin Amp Receptacle	.97

AMP MTA-100 CLOSED END HOUSINGS

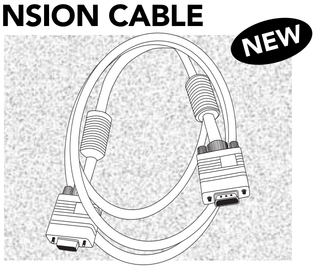
- .100 centers
- Red plugs for 22 AWG wire
- Mates with all 100 post header assemblies



Part Number	Ref. No.	No. Pins	Price per ea.
43-0810-00	640440-6	6	.85
43-0809-00	640440-8	8	1.20
43-0808-00	1-640440-0	10	1.55
43-0914-00	1-640440-6	16	1.65
43-0807-00	1-640440-8	18	2.25

MONITOR EXTENSION CABLE

- Used as VGA or SVGA monitor extension
- Extend your existing short monitor cable to provide useful flexibility
- DB15 Male on one end and DB15 Female on the other
- Ferrite cores on each end for noise suppression
- Shielded cable with multi-coax construction provides a sharp, clear display
- 6′ overall length, 15 pin



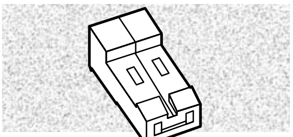
Part Number		Price per ea.
55-0282-00	Monitor Extension Cable, 6′	10.40

DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

e-mail notification and order **tracking information** is now available from Happ Controls! Contact your sales representative or e-mail our customer service department at: **info@happcontrols.com** with your account information.

AMP MTA-156 CLOSED END HOUSINGS

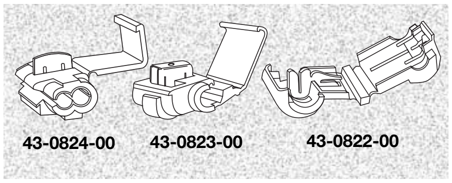
- .156 centers
- Red plugs for 22 AWG wire
- Mates with all .156 post header assemblies



Part Number	Ref. No.	No. Pins	Price per ea.
43-0806-00	643193-2	2	.54
43-0805-00	643193-3	3	.74
43-0804-00	640428-4	4	.54
43-0803-00	640428-6	6	.86
43-0802-00	640428-7	7	.86

3M SCOTCHLOK® CONNECTORS

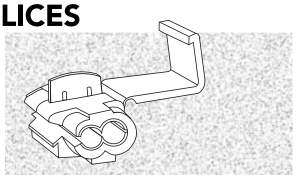
- Fully insulated
- Easy to install – no stripping or twisting



Part Number	3M No.	Color	Description	AWG	Pack	Price per ea.
43-0824-00	560B	Dark Blue	Scotchlok™	14-18	100	.22
43-0823-00	558	Red	Scotchlok™	14-18	50	.42
43-0822-00	951	Red	T-Tap (.250)	18-22	50	.23

TAP SPLICES

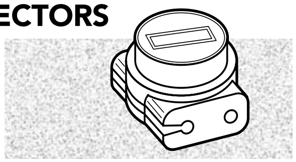
- Fully insulated
- Easy to install - No stripping or twisting
- Packed 25 per box
- Minimum order: 1 Box



Part Number	Color	AWG	Price per box
43-1132-00	Blue	14-18	3.90
43-1131-00	Red	18-22	3.90

3M CONNECTORS

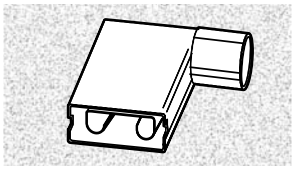
- 2 wire
- Just trim wires, insert and crimp
- Sold per each
- Packed 100 per box



Part Number	Color	AWG	Price per ea.
43-0782-00	Green Tap Bridge	19-26	.81
43-0781-00	Red 2 to 3-Wire Butt Splice	19-26	.48
43-0783-10	Yellow 2-Wire Butt Splice	22-26	.46

FLAG TERMINALS

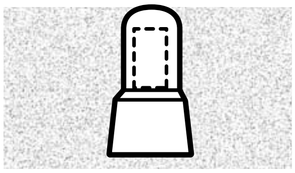
- Fully insulated
- Color: Red
- .250 female lug
- For use with 18-22 AWG wire
- Sold in bags of 100



Part Number		Price per ea.
43-0827-00	Flag Terminals	13.65

CRIMP STYLE WIRE TERMINALS

- Fully insulated nylon terminals
- Pack of 100
- 14-22 AWG



Part Number		Price per pack	L/10	L/20
43-0789-00	Crimp-Style Wire Terminals	11.80	11.20	10.55

WIRE DISPENSER KIT

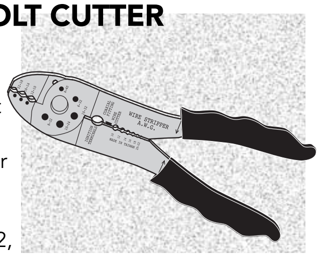
- Includes five spools of color coded 22 AWG electronic wire
- Crimping/wire stripping tool included
- Mounts on wall or work bench
- Refillable
- Includes: (5) 100 ft. spools of 22 AWG wire Black, Red, Green, Blue & White
- UL1569 wire
- Rated: 105 degree C, 300 volts
- Made in USA

Part Number		Price per ea.	L/3
49-6184-00	Wire Dispenser Kit	55.95	52.95

Replacement Spools		Price per ea.
49-6184-10	Black Wire, 22 awg, 100 ft. Spool UL1569	6.40
49-6184-20	Red Wire, 22 awg, 100 ft. Spool UL1569	6.40
49-6184-30	Green Wire, 22 awg, 100 ft. Spool UL1569	6.40
49-6184-40	Blue Wire, 22 awg, 100 ft. Spool UL1569	6.40
49-6184-50	White Wire, 22 awg, 100 ft. Spool UL1569	6.40

8" CRIMPING TOOL/WIRE STRIPPER/BOLT CUTTER

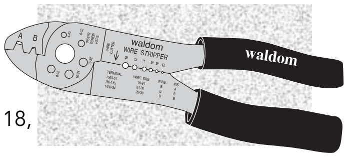
- Crimps 22-18, 16-14, & 12-10 AWG terminals and connectors
- Color-coded crimp teeth for fast and accurate crimping
- AWG numbered wire stripper for 10, 12, 14, 16, 18, & 20-22 gauge wire
- Bolt cutter for 8-32, 10-24, 10-32, 6-32, & 4-40 threads
- An affordable, 4-way crimping/stripping tool
- Length: 8"



Part Number		Price per ea.
92-0274-00	8" Crimping Tool	6.90

CRIMPING/WIRE STRIPPER/BOLT CUTTING HAND TOOL

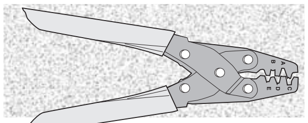
- Ideal for prototype work, small production volumes and repair jobs
- Clean cutting wire cutter
- Wire Stripper for 10,12, 14, 16, 18, and 20 gauge wire
- Bolt Cutter for 8-32, 10-24, 10-32, 6-32, and 4-40 threads
- Crimping tool for .093" Molex pins (terminals)



Part Number		Price per ea.
11-03-0004	Hand Crimping/Wire Stripper/ Bolt Cutting Tool	20.90

SARGEANTS CRIMPING TOOL

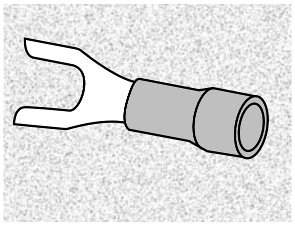
- For crimping .062, .093, .100, .156 and JST pins
- Ref. No. 1028CT



Part Number		Price per ea.
92-0032-00	Sargeants Crimping Tool	33.99

FORK TERMINALS

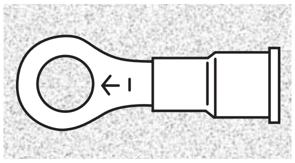
- Various sizes available
- Simply insert stripped wire and crimp
- Color-coded for easy identification:
  RED-22 to 18 AWG
  BLUE-16 to 14 AWG
- Sold per pkg. of 100



Part Number		Color	Stud Size	Wire Gauge	Price per pkg.
43-0680-00	Insulated Fork Term.	Red	6	22-18	8.55
43-0681-00	Insulated Fork Term.	Blue	8	16-14	8.55

RING TERMINALS

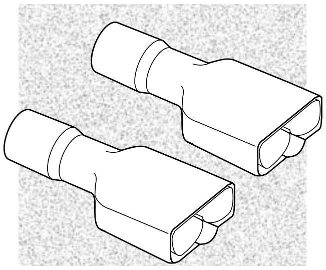
- Vinyl insulated butt seam
- Sold in packs of 100



Part Number	Stud Size	AWG	Price per pkg.
43-0784-00	#6	18-22	18.55
43-0785-00	#8	18-22	18.55

QUICK DISCONNECT TERMINALS

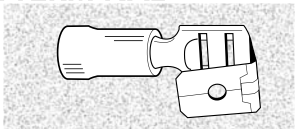
- Translucent insulator provides fast visual check of the wire connection
- Color coded for easy identification:
  Red (22 to 18 AWG)
  Blue (16 to 14 AWG)
- Wire stop prevents insertion of over-stripped wires
- Minimum order 10



Part Number		Price per ea.	L/1000
43-0401-00	.110 Female Fully Insulated Quick Disconnect for use on 18-22 AWG Wire	.29	.27
43-0538-00	.187" Female Fully Insulated Quick Disconnect for use on 18-22 AWG Wire	.20	.18
43-1229-00	.187" Female Fully Insulated Quick Disconnect for use on 14-16 AWG Wire	.20	.18
43-0539-00	.250" Female Fully Insulated Quick Disconnect for use on 18-22 AWG Wire	.20	.18
43-0541-00	.250" Female Fully Insulated Quick Disconnect for use on 14-16 AWG Wire	.20	.18

PIGGY-BACK TERMINAL

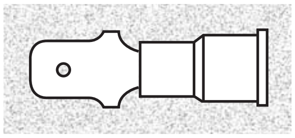
- Insulated
- Terminal size .250



Part Number		Price per ea.
42-2098-00	Piggy-back Terminal	.97

SEMI-INSULATED MALE QUICK DISCONNECTS

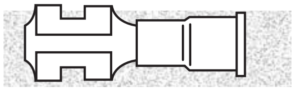
- Vinyl insulated butt seam
- Terminal size: .250
- Sold in packs of 100



Part Number	Color	AWG	Terminal	Price per pkg.
43-0826-00	Red	18-22	.250	10.55
42-2097-00	Blue	14-16	.250	10.55

SEMI-INSULATED FEMALE QUICK DISCONNECTS

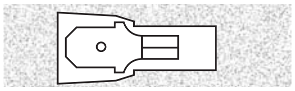
- Vinyl insulated butt seam
- Sold in packs of 100



Part Number	Color	AWG	Terminal	Price per pkg.
43-0682-00	Red	18-22	.187	9.90
43-0787-00	Red	18-22	.110	9.90
43-1070-00	Red	18-22	.250	9.90
43-0542-00	Blue	14-16	.187	9.90
43-0674-00	Blue	14-16	.250	9.90

FULLY INSULATED MALE QUICK DISCONNECT

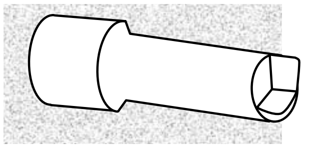
- Fully vinyl insulated butt seam



Part Number	Color	AWG	Terminal	Price per ea.
43-0525-00	Red	18-22	.250	.20
43-1269-00	Blue	14-16	.250	.20

CLOSED END CONNECTORS

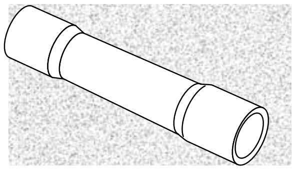
- An easy yet safe way to connect wires together, simply insert stripped wires and crimp
- Listed by: UL (E13288) & CSA (LR7189)
- Insulated



Part Number		Price per ea.	L/100
43-0174-00	Closed End Connector, 22-14 AWG	.16	.15
43-0780-00	Closed End Connector 16-10 AWG	.16	.15

BUTT CONNECTORS

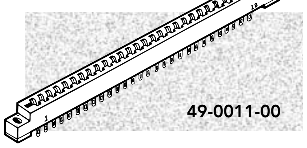
- Insulated for additional protection
- Simply insert stripped wire and crimp
- Various sizes available
- Minimum order of 100
- Color-coded to make selection on the job easier



Part Number		Color	Wire Gauge	Price per ea. L/100	L/500
43-0421-00	Butt Connector	Red	22-18	.16	.14
43-0422-00	Butt Connector	Blue	16-14	.16	.14
43-0423-00	Butt Connector	Yellow	12-10	.20	.18

EDGE CONNECTORS

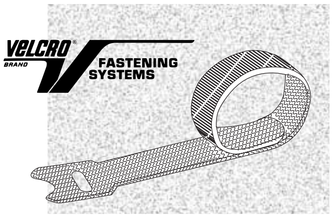
- Dual row connector
- Available in 20, 56 and 7 Pin Configurations


49-0011-00

Part Number		Price per ea.	L/25
49-0011-00	56 Pin "Jamma" Connector with Solder Terminals	3.50	3.25
49-0011-56	56 Pin "Jamma" Connector for Push-In Terminals (Without Terminals)	3.25	3.05
49-0276-00	Push-In Terminals for 49-0011-56 Edge Connector	.20	.18

VELCRO® ONE-WRAP CABLE TIES

- Hundreds of uses
- Ideal for cord and cable control
- Can be reused numerous times
- Size: 1/2" wide x 6" long
- Color: Black



Part Number		Price per ea.
90-0011-00	Velcro® One-Wrap Cable Ties	.49

VELCRO HOOK AND LOOP TAPE

- For fastening a wide variety of items
- Adhesive backing
- .75", 1" or 2" wide tape
- Color: Black
- 25 yards. per roll
- Sold per yard

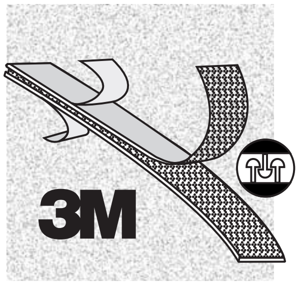
Part Number		Price per yd.
90-0003-03	.75" Velcro Loop Side Only	2.15
90-0004-03	.75" Velcro Hook Side Only	2.15
90-0003-01	1" Velcro Loop Side Only	3.25
90-0004-01	1" Velcro Hook Side Only	3.25
90-0003-02	2" Velcro Loop Side Only	4.10
90-0004-02	2" Velcro Hook Side Only	4.10

3M DUAL LOCK™ LOW PROFILE RECLOSABLE FASTENER

- Pressure sensitive adhesive backing bonds to many surfaces
- Numerous interlocking mushroom-shaped stems positively "snap" together
- Unlike some reclosable fasteners, this is self-mating so only one roll needed reducing inventory
- Light-weight, thin profile (0.067", 1.7mm)
- 1" wide, clear color
- Clear acrylic adhesive, -20°F to 150°F
- Stemmed surfaces glide over each other for easy positioning prior to pressing and snapping together
- Sold by the foot
- 75 ft per roll
- 3 rolls per case

Uses include:

- Electronics, exhibits, trade shows, Point of Purchase, framing
- Anywhere you need easy access or quick assembly



Part Number		Price per ft.
90-0015-00	3M Dual Lock™ Low Profile Reclosable Fastener	1.40

DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

e-mail notification and order **tracking information** is now available from Happ Controls! Contact your sales representative or e-mail our customer service department at: **info@happcontrols.com** with your account information.

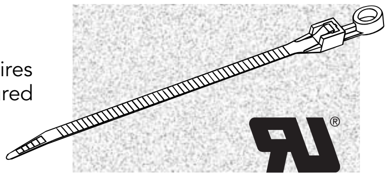
CABLE TIES

- Patented dual locking mechanism facilitates superior locking power
- Low-profile head conserves space and reduces snagging
- Flexible Nylon construction allows ease of use
- Various colors available
- UL approved Nylon
- Sold per bag of 1,000

Part Number	Length	Max. Bundle Diameter	Color	Tensile Strength	Price per bag
90-1034-00	4"	13/16"	Natural	18 lbs	11.25
90-1036-00	6"	1-1/2"	White	30 lbs	15.95
90-1036-03	7.5"	2"	Black	50 lbs	11.95
90-1038-00	8"	2-3/16"	Natural	50 lbs	21.90
90-1038-10	8"	2-3/16	Red	50 lbs	26.80
90-1038-12	8"	2-3/16	Blue	50 lbs	26.80
90-1038-13	8"	2-3/16	Green	50 lbs	26.80
90-1038-15	8"	2-3/16	Yellow	50 lbs	26.80
90-1038-16	8"	2-3/16	Black	50 lbs	26.80
90-1038-17	8"	2-3/16	Orange	50 lbs	26.80
90-1211-00	11"	3"	Natural	75 lbs	40.20
90-0063-00	11"	3"	Natural	55 lbs	15.60

CABLE TIES WITH MOUNTING HOLE

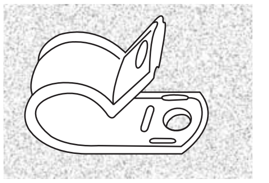
- Same features as cable ties above
- Mounting hole allows wires to be bundled and secured via #10 screw
- UL Recognized
- Sold per bag of 1,000



Part Number	Length	Max. Bundle Diameter	Color	Tensile Strength	Screw Size	Price per bag	L/3 Bags
90-1037-00	8"	1-3/4"	Natural	50 lbs	#10	44.65	42.40

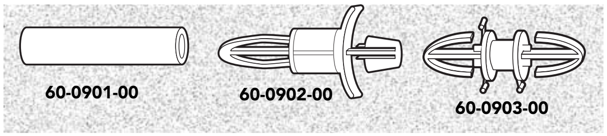
CABLE CLAMPS

- Plastic clamps for channeling cable and wire
- Maximum operating temperature -600 F to 2750 F
- Sold 100 per bag, except 1" sold in bags of 50



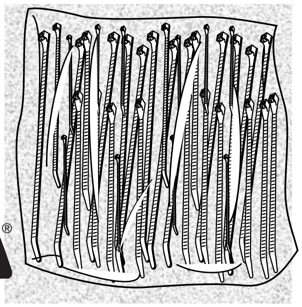
Part Number	Inside Diameter	Price per ea.
90-0002-00	3/16"	7.45
90-0007-00	1/4"	7.45
90-0009-00	5/16"	7.45
90-0010-00	3/8"	7.45
90-0006-00	1/2"	7.45
90-0008-00	5/8"	7.45
90-0005-00	3/4"	7.45
90-0001-00	1"	7.45

P.C.B. SUPPORT SPACERS



Part Number		Price per ea.
60-0901-00	7 Round Stand Off 1/4" Diameter	.56
60-0902-00	Snap-in Stand Off 1/4"	.41
60-0903-00	Board to Board Support	.40

CABLE TIE ASSORTMENT



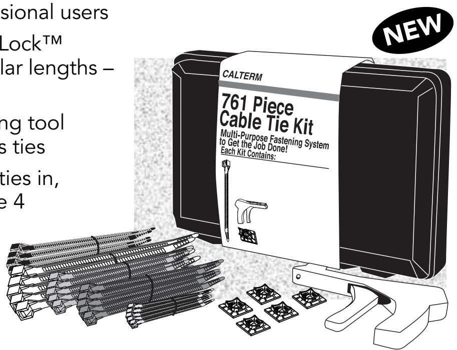
- Patented dual locking mechanism facilitates superior locking power
- Low-profile head conserves space and reduces snagging
- Flexible nylon construction allows ease of use
- Color: Natural
- UL Recognized
- Made in the U.S.A.

Part Number		Price per ea.	L/3
90-1030-00	Cable Tie Assortment (500 Pieces)	13.15	12.05

Assortment contains the following Cable Ties:

Qty	Size	Tensile Strength
200	4"	18 lbs
100	5.6"	30 lbs
200	7.5"	50 lbs

761-PIECE PROFESSIONAL CABLE TIE KIT



- A must for professional users
- Patented DoubleLock™ Design in 3 popular lengths – 4", 8", 11"
- Versatile tensioning tool tightens and trims ties
- Tough 6/6 nylon ties in, commercial grade 4
- Ties come in the following colors: natural, black, red, blue, yellow and green
- UV resistant black ties are the ONLY choice for outdoor use
- Durable carrying case keeps ties and tensioning tool organized
- Made in the USA
- Kit includes:

  1 pistol grip tie tensioning and trimming tool

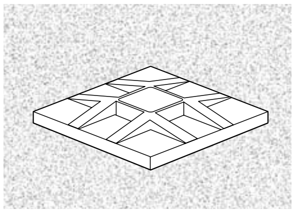
  10 self-adhesive mounting bases

  750 cable ties as follows:

300 4" Ties	400 8" Ties	50 11" Ties
25 Blue	25 Blue	50 Natural
25 Red	25 Red	
25 Yellow	25 Yellow	
25 Black	25 Green	
200 Natural	100 Black	
	200 Natural	

Part Number		Price per ea.
90-1030-01	761-Piece Professional Cable Tie Kit	36.85

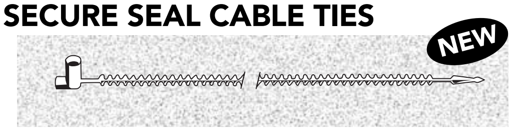
MOUNTING PADS FOR CABLE TIES



- Adhesive backed to allow flexibility in mounting and securing wires and cables
- Simply peel paper backing and apply to clean dry surface
- Natural color
- Four-Way insertion - 3/4" pad
- Two-Way insertion - 1" pad
- Sold per bag of 100

Part Number		For Use With	Price per bag	L/3 Bags
90-1031-00	3/4" x 3/4" Mounting Pad	18#, 30#	24.65	23.40
90-1032-00	1" x 1" Mounting Pad	18#, 30#, 50#, 75#	28.40	27.20

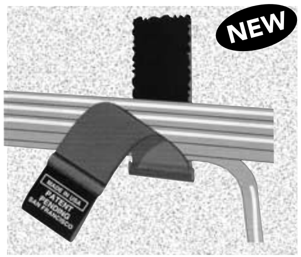
SECURE SEAL CABLE TIES



- Tamper evident head
- Ribbed design for secure closure
- Minimum loop tensile strength: 8 lbs; Maximum: 14 lbs
- Length: 8"
- Color: natural
- Made of 6/6 nylon for high impact and tensile strength
- Sold per box of 2,000

Part Number		Price per box
90-0021-00	Secure Seal Cable Ties	69.70

RIP-TIE CABLECATCH



- Organizes cables against a surface
- Anchor cords, cables and wires neatly along surfaces and out of the way
- Acrylic pressure sensitive adhesive securely attaches to equipment racks, desks, or walls.
- Peel-away backing makes the CableCatch easy to use to install.
- Soft Hold" of the CableCatches successfully maintains the integrity of the cable performance, and offer easy & reliable way to organize high performance data cable without using nylon ties.
- One quick pull of the tab releases the bundle for easy rearranging and quick equipment set-ups.
- Re-usable and environmentally friendly, no more throwing away nylon cable ties.
- Size: 1" X 4"

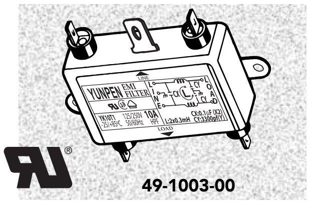
Part Number		Color	Price per pack
90-0060-00	Rip-Tie CableCatch, Pack of 50	Assorted	153.95
90-0079-00	Rip-Tie CableCatch, Pack of 5	Black	16.65
90-0080-00	Rip-Tie CableCatch, Pack of 50	Black	150.90

CABLE TIE MARKING PEN

- Smear proof and waterproof ink for marking on nylon surfaces
- Black ink

Part Number		Price per ea.
92-0637-00	Cable Tie Marking Pen	5.25

POWERLINE FILTERS

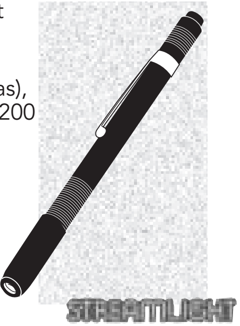


49-1003-00

- Eliminates power spikes
- .250" quick connect terminals
- 115/250V
- UL recognized

Part Number		Price per ea.	L/25
49-1003-00	Powerline Filter, 10 AMP	9.05	8.15
49-5084-00	Powerline Filter, 5 AMP	7.75	6.90

STREAMLIGHT STYLUS™ LED FLASHLIGHT



- 100,000 hour lifetime, high-intensity Light Emitting Diode (LED), solid state bulb
- LED available in Arctic White (12,000 millicandelas), Ice Blue (5,000 millicandelas), Green (15,000 millicandelas), or Red (16,200 millicandelas)
- 6000 series tempered aircraft aluminum, anodized finish; non-slip knurled grip
- Run time over 10 hours
- Waterproof, individually serialized, momentary "blink" switch and constant "on", pocket clip
- Weight is only 1.1 ounces with batteries
- Requires three AAAA alkaline batteries (Included)
- Color black; .38" D x 6.21"L
- Shipped with Glare Guard (49-6126-00)

STREAMLIGHT Stylus™

Part Number		Price per ea.
49-1229-02	Streamlite Stylus™ White Led Flashlite	21.95
49-1229-05	Streamlite Stylus™ Blue Led Flashlite	21.95
49-1229-06	Streamlite Stylus™ Green Led Flashlite	22.85
49-1229-07	Streamlite Stylus™ Red Led Flashlite	22.85
49-1229-03	Replacement AAAA Batteries (Pk of 6)	7.85
49-6126-00	Glare Guard	2.00

STREAMLIGHT STYLUS "REACH" LED FLASHLIGHT WITH FLEXIBLE CABLE

- Flexible cable extension for tight, hard-to-reach areas
- 100,000-hour lifetime, high-intensity Light Emitting Diode (LED), solid-state bulb
- 6000 series tempered aircraft aluminum, anodized finish; non-slip knurled grip
- Copper-core cable is shielded and insulated with PVC
- Waterproof; individually serialized; momentary "blink" switch and constant "on"; pocket clip
- White LED. Most popular for all-around use. Close to natural light, for "true color"
- Weight is only 1.7 ounces with batteries
- .38" (Dia.); Folded: 7" (L); Extended: 14" (L)
- Requires three AAAA alkaline batteries (included)
- Run time of up to 60 hours
- Color: Black
- Lifetime Warranty
- UL Listed

Part Number		Price per ea.
49-1229-09	Streamlight Stylus" Reach' LED Flashlight	29.95
49-1229-03	Replacement AAAA Batteries – Pkg. Of 6	7.85

STREAMLIGHT TWIN-TASK™ LITHIUM FLASHLIGHT

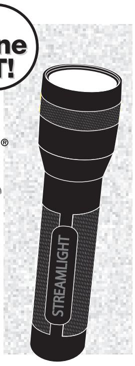
NEW

- 100,000-hour LEDs should never need replacement
- Patented LED/Xenon combination for super brightness
- Dual modes allow you to switch between 3 LED and Xenon lighting

Part Number		Price per ea.
49-1229-08	Streamlight Twin-Task Lithium Flashlight	49.95

STREAMLIGHT SCORPION™ XENON FLASHLIGHT

Wow, Is this one BRIGHT!

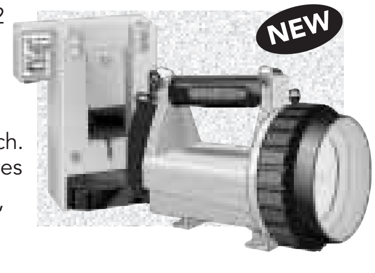


- Compact lithium powered flashlight, only 4.9" long and weighs 4.4 oz
- Xenon gas filled bi-pin bulb provides up to 6,500 candlepower
- Triple action tail cap switch
- Variable spot to flood focus
- Rubber-armored sleeve over aluminum body
- Unbreakable polycarbonate lens
- Belt clip attachment
- Includes two long life 3 volt lithium batteries and one spare bulb
- Color: Black

SCORPION® STREAMLIGHT

Part Number		Price per ea.
49-6123-00	Streamlight Scorpion™ Xenon Flashlight	49.95
49-6125-00	Replacement 3 Volt Lithium Batteries (Pk of 2)	12.95
49-6124-00	Replacement Xenon Bulb	6.00

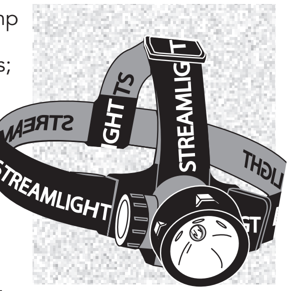
FIRE VULCAN® STANDARD SYSTEM



- New! The only lantern with 2 taillight LEDs.
- New! high-visibility orange
- Waterproof
- New! 3-position toggle switch. Easy to turn on/off with gloves
- New! high-clearance handle, your gloved hand fits easily around it
- New! heavy-duty D-rings for strap connection
- New! Quick-release strap works like a seat belt
- Offers 2 modes: "steady" and "blinking"
- Compact & lightweight: weighs only 3.3 lbs.
- Extremely powerful: 65,000 candlepower
- Meets requirements of NFPA
- Rugged, high-impact thermoplastic housing

Part Number		Price per ea.
49-1926-00	Fire Vulcan® Standard System	166.45

TRIDENT™ LED HEADLAMP



- Combination Krypton/LED headlamp
- Comfortable adjustable strap; 90° tilting head; spot-to-flood focus; 3 levels of lighting
- Up to 150 hours run time using the LED lamp
- Durable, water-resistant, with a virtually unbreakable yellow polymer body and scratch-resistant lens
- Lightweight only 5 ounces with batteries
- Requires 3 AAA alkaline batteries (49-6172-00)
- 2" D x 2" H x 2.75" L

TRIDENT™ STREAMLIGHT

Part Number		Price per ea.
49-1229-01	Trident™ LED Headlamp	36.95

LIGHTWAVE INFINITON C1 FLASHLIGHT

NEW

- Long-life hi-flux LED flashlight
- Collects nearly 100% of light from emitter for a clean, pure beam
- Advanced digital integrated circuit technology
- Estimated operating life of 20,000 hours
- 7 hour battery life from fresh high-capacity NiMH or alkaline batteries
- Shockproof, withstands a 4-foot drop on bare concrete
- Designed and manufactured to industrial standards
- 1-year limited warranty

Lightwave

Part Number		Price per ea.
49-6119-12	Lightwave Infiniton C1 Flashlight	99.95

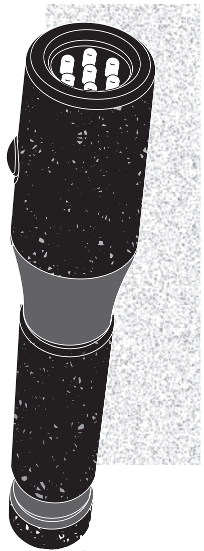
LIGHTWAVE PRO 2000 LED FLASHLIGHT

- Super-bright white LED, visible for over one mile
- Solid-state Light Emitting Diodes (LEDs) last thousands of hours
- Space-age solid-state circuitry allows a set of batteries to last 14 times longer than a regular flashlights
- Water resistant, designed for use in all weather conditions
- Shockproof – withstands a drop from 4 feet onto concrete
- 3 year warranty – does not cover the batteries or abuse
- High impact composite case
- Utilizes four high-powered super-bright white LED
- Requires three AA alkaline batteries (not included)
- Industrial grade switch, rated for 10,000 easy on/off operations
- Size: 1.25" D x 7" L

Lightwave

Part Number		Price per ea.
49-6119-01	Lightwave Pro 2000 LED Flashlight with White LED	34.35
49-6119-10	Nylon Flashlight Holder with Belt Clip	15.40

LIGHTWAVE PRO 3000™ LED FLASHLIGHT

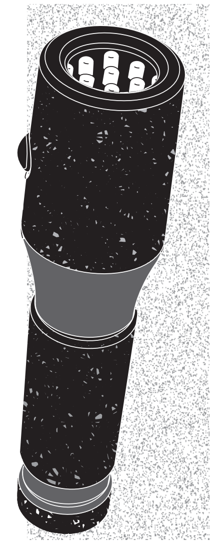


- Super-bright white light, visible for over one mile
- Solid-state Light Emitting Diodes (LEDs) do not burn out. Typical lifetime: over 11 years of continuous use
- Space-age solid-state circuitry allows a set of batteries last up to over 25 days of continuous use
- Water resistant – designed for use in all weather conditions
- Shockproof up to a 4 foot drop
- 3 year warranty – does not cover the batteries or abuse
- High impact composite ABS plastic case with genuine rubber over-molding
- Utilizes seven high-powered super-bright white LED light sources
- Three C cell batteries required (sold separately)
- Push button for easy on/off
- Industrial grade switch, rated for 10,000 on/off operations
- Size: 1-5/8" D x 8-3/4" L

Lightwave

Part Number		Price per ea.
49-6118-00	Lightwave Pro 3000™ LED Flashlight	49.95
49-6118-10	Belt Holder For Lightwave 3000™	8.35

LIGHTWAVE PRO 4000™ LED FLASHLIGHT

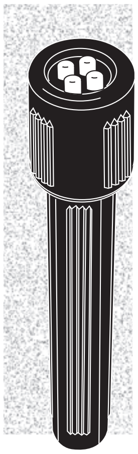


- Super-bright white light, visible for over one mile
- Solid-state Light Emitting Diodes (LEDs) do not burn out. Typical lifetime: over 11 years of continuous use
- Space-age solid-state circuitry allows a set of batteries to last over one month of continuous use.
- Waterproof up to one foot – designed for use in all weather conditions
- Shockproof up to a 4 foot drop
- 3 year warranty – does not cover the batteries or abuse
- High impact composite ABS plastic case with genuine rubber over-molding
- Utilizes ten high-powered super-bright white LED light sources
- Three D cell batteries required (sold separately)
- Push button for easy on/off
- Industrial grade switch, rated for 10,000 on/off operations
- Size: 2" D x 10.8" L

Lightwave

Part Number		Price per ea.
49-6117-00	Lightwave Pro 4000™ LED Flashlight	59.95
49-6117-10	Belt Holder For Lightwave 4000™	8.35

LIGHTWAVE CLASSIC 2000™ LED FLASHLIGHT

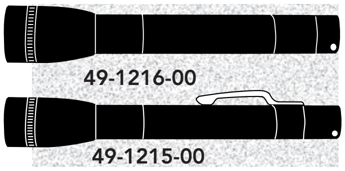


- Super-bright white light, visible for over one mile
- Solid-state Light Emitting Diodes (LEDs) do not burn out. Typical lifetime: over 11 years of continuous use
- Space-age solid-state circuitry allows a set of batteries to last 14 times longer than a regular flashlight (over 300 hours)
- Waterproof up to two feet – not just water resistant
- Shockproof up to a 10 foot drop
- 3 year warranty – does not cover the batteries or abuse
- High impact composite case
- Utilizes four high-powered super-bright white LED light sources
- Three AA alkaline batteries are included
- Twist flashlight head for easy on/off
- Size: 1.25" D x 7" L

Lightwave

Part Number		Price per ea.
49-6119-00	Lightwave 2000™ LED Flashlight with White LED	29.95
49-6119-11	Lightwave Classic 2000™ LED Flashlight with Blue LED	29.95
49-6119-10	Nylon Flashlight Holder with Belt Clip	15.40

MINI MAGLITE FLASHLIGHTS



- High quality flashlights
- Batteries included
- Color: black
- 12 per box

MAG LITE

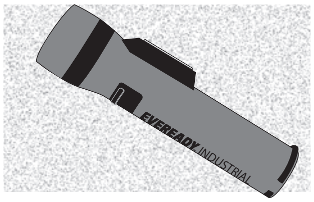
Part Number		Price per ea.
49-1216-00	AA Size	18.55
49-1215-00	AAA Size	15.80
49-5093-00	Leather Flashlight Holster	8.15
92-0227-00	Nylon Flashlight Holster	4.90

HAPP CONTROLS ASPEN ELITE LED FLASHLIGHT

- Extremely bright white LED packed conveniently in a small package. Clip it to your key chain or anywhere else you need light
- Brilliant White LED Crystal produces a high efficiency, non-deteriorating, solid state beam with even light distribution (no hot spots)
- Provides soft illumination with a 180 degree viewing radius that is visible over one mile
- Programmable switch with three functions; Constant-On, Alert and SOS
- Forged Aluminum Body
- Waterproof and shockproof
- Auto Tension Tri-Ring Clip
- Lightweight, only .5 ounces!
- Size: 2.67” L x .95” W x .34” Thick
- Replaceable 6 volt battery pack (49-1831-00)
- Limited lifetime manufactures replacement warranty (not battery)
- Color: Black textured engraved with Happ Controls logo
- Custom logo versions also available

Part Number		Price per ea.
49-1830-00	Happ Controls Aspen Elite LED Flashlight	19.75
49-1831-00	6v Lithium Power Pack Replacement Battery	5.20

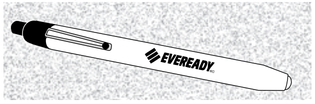
EVEREADY INDUSTRIAL MAGNETLIGHT



- Super bright Krypton bulb
- Performance and quality at a value price
- Ergonomically designed
- Hanger Ring
- Handy magnet lets you keep the flashlight convenient
- Easy slide switch
- Anti-roll design
- Chemical resistant
- Uses 2 D cell batteries (sold separately)
- Bright yellow color, Faceted reflector

Part Number		Price per ea.
49-1218-00	Eveready Industrial Magnetlight	5.15

EVEREADY POCKET PEN LIGHT



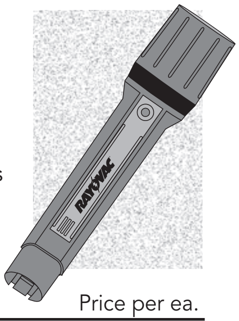
- Handy flashlight comes with pocket clip
- Durable metal case
- Long life push button switch
- Bright concentrated beam
- Eveready Ref. No. 6212-1ACS
- Uses 2 AAA batteries (included)

Replacement lamp # 222

- Length: 5.48”
- Shipped in assorted colors, specific colors cannot be requested

Part Number		Price per ea.
49-1217-00	Eveready Pocket Flashlight	6.40

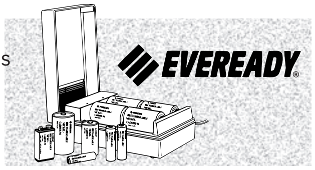
RAYOVAC ROUGHNECK FLASHLIGHT AA SIZE



- Tough polypropylene case resists water, gas, grease, oil and impact
- Adjustable spot to flood focus
- Brighter, whiter krypton bulb
- Roughneck is the toughest, most durable flashlight that Rayovac makes
- Full lifetime warranty
- Uses 2 AA batteries (included)
- Ref # R2AA

Part Number		Price per ea.
49-5100-00	RAYOVAC Roughneck Flashlight AA Size	9.40
49-1226-00	Replacement Lamp	4.30

BATTERY CHARGER

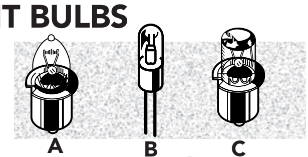


- Charges 2 or 4 AA, AAA, C, D or up to two 9 volt batteries
- 3 hour charge
- Batteries sold separately
- Sold in packages only
- Nickel Cadmium batteries can be stored charged or uncharged

Part Number		Price per ea.
49-3116-00	Battery Charger	35.05
49-0848-00	D Battery (Min. 2)	6.45
49-0850-00	AA Battery (Min. 4)	5.90
49-0852-00	AAA Battery (Min. 4)	3.90
49-0851-00	9V Battery	13.25

FLASHLIGHT BULBS

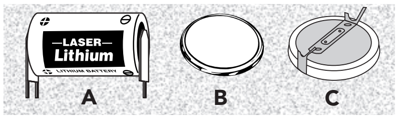
- Long lasting
- High quality
- For use in various flashlight types



Part Number	Type	Description	Price per ea.
49-1225-00	A	For 2 D Cells (Pk. of 2)	2.05
49-1224-00	A	For 3 D Cells (Pk. of 2)	.97
49-1226-00	-	X21 Lamp (Pk. of 2)	4.30
49-1230-00	B	Mini-Maglite Bulb For AA/AAA Flashlights (Pk. of 2)	2.95
91-1125-00	C	222 Lamp	.88

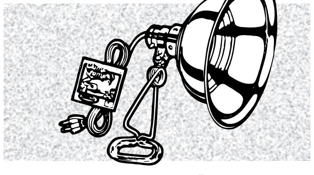
LITHIUM BATTERIES

- Various types



Part Number	Style	Ref. No.		Price per ea.
49-0855-00	A	MN02	Laser Lithium 3V, PC mount	9.85
27-0086-00	B	CR2025	Lithium, 3V coin cell	1.15
49-0857-00	B	CR2032	Lithium, coin cell	4.20
49-0858-00	B	BR2330	Lithium, coin cell	4.30
49-0864-00	B	CR2450	Lithium, coin cell	4.20
49-5096-01	B	CR2354	Lithium, coin cell	4.30
49-5096-00	C	BR2325-1HC	Lithium, 3V with leads	4.30
49-1273-00	C	BR2325-T2	Lithium, 3V with leads	9.60

CLAMP-ON LAMP

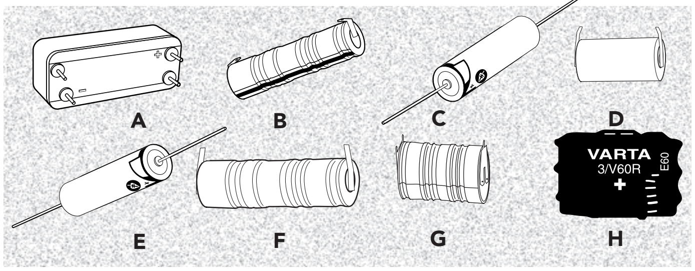


- Great portable light
- Uses standard incandescent bulb (not included)
- 5-½" reflector

Part Number		Price per ea.
49-0962-00	Clamp-On Lamp	14.80

SPECIALTY BATTERIES

- Used on MPU Boards
- Serves as memory backup for many gaming, amusement and vending applications



Part Number	Style	Ref. No.		Price per ea.
27-0085-00	-	357	1.5V Watch Battery	1.60
27-1032-00	A	2/V 150H	2.4V Varta Ni-Cad, with DIP pins	11.20
80-0185-00	B	100103	3.6V DC Ni-Cad, AA w/tabs	11.75
27-1002-00	C	TL2150/P	3.6V Lithium w/pigtails, 1/2AA	9.40
27-1236-00	D	TL5101/T	3.6V Lithium w/tabs, 1/2AA	5.95
27-1040-00	E	TL5104P	3.6V Lithium w/pigtails, AA	11.20
49-0856-00	F	TL5104T	3.6V Lithium w/tabs, AA	11.20
49-0861-00	G	3/V 80H	3.6V 70mah Varta w/pins	11.20
49-0860-00	H	3/V150H	3.6V 140mah Varta stacked w/pins	11.20

PROCELL® PROFESSIONAL ALKALINE BATTERIES

- Manufactured by Duracell®
- Power Pro technology delivers more power for longer life
- PROCELL® alkaline batteries provide the same performance and quality as DURACELL® batteries
- Long lasting power providing superior dependability – even after five years of storage
- Lasts up to five times longer than super heavy duty batteries
- Long service life at high drain discharges
- Operates reliably in temperature extremes of –20 degrees C to 54 degrees C
- Date coded to ensure freshness
- Contains no added mercury

DURACELL®
PROCELL®

Part Number		Price per ea.
49-6171-00	AA Alkaline Battery	.69
49-6172-00	AAA Alkaline Battery	.69
49-6173-00	C Alkaline Battery	1.15
49-6174-00	D Alkaline Battery	1.09
49-6175-00	9V Alkaline Battery	1.90

EXCELL® ALKALINE BATTERIES

NEW

- EXCELL means "Lasts longer…Better Value!"
- 0% Mercury, Cadmium, and Lead
- 5 years shelf-life guarantee

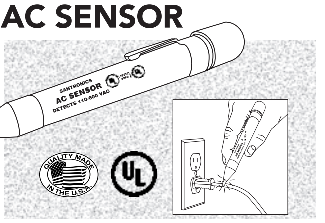
EXCELL®

0% MERCURY & CADMIUM

Part Number		Price per ea.
49-2278-00	Excell® Alkaline AA Battery	.49
49-2279-00	Excell® Alkaline AAA Battery	.49
49-2277-00	Excell® Alkaline C Battery	.89
49-2273-00	Excell® Alkaline D Battery	.96
49-2280-00	Excell® Alkaline 9V Battery	1.55

SANTRONICS AC SENSOR

- Patented outstanding safety equipment – locates defective grounds, energized circuits, induced voltage
- Maintenance, service and electrician personnel need this tool daily!
- Fits in shirt pocket
- Senses voltage without metallic contact
- UL listed-#39F5, tested and approved for public safety
- All outer surfaces are non-conductive for safety
- Detects 50-600 Volts AC
- Choice of OSHA
- Manufactured in the USA



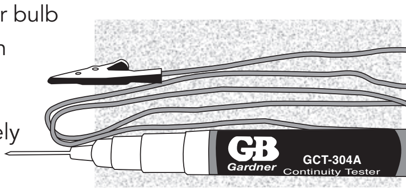
Glows RED when contact is made with:
- Insulated wire with positive AC voltage
- Hot side of receptacle when voltage is present
- Each side of fuse, when checking if fuse is functional

Will not glow RED when contact is made with:
- Shielded cable
- Neutral side of wall outlet or cord (if wired correctly)

Part Number		Price per ea.
92-0281-00	Santronics AC Sensor	20.85

CONTINUITY TESTER

- Tests for continuity in non-energized circuits
- Fully shielded indicator bulb
- Insulated test lead with alligator clip
- Operates on 2 AA batteries sold separately
- 36" lead length
- One year warranty



Part Number		Price per ea.
49-0959-00	Continuity Tester	5.30

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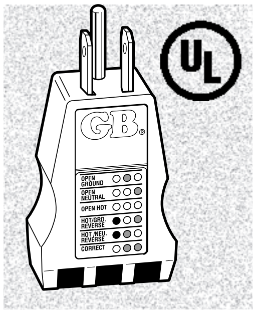
for *NEW* Product Updates!!

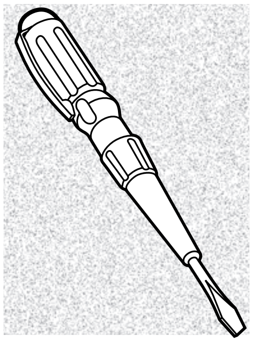
CIRCUIT ANALYZER AND RECEPTACLE TESTER



- Neon indicators give positive indication of circuit status
- Compact unit simply plugs into any standard 3-wire / grounded receptacle (110-125V AC circuits)
- Tests for 6 circuit conditions: open ground, open neutral, open hot, hot/ground reverse, hot/neutral reverse and correct wiring
- Succession of yellow and red lights provide indication of circuit status or specify which wire is defective
- Easy to read 3 views – top, side and bottom
- Will not normally trip GFCI

Part Number		Price per ea.
49-0958-00	Circuit Analyzer and Receptacle Tester	8.55

HI-VOLTAGE TESTING SCREWDRIVER

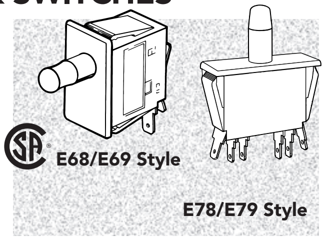


- Combination screwdriver & electrical tester that checks AC voltages from 100 to 500 volts
- Pocket sized, only 9/16" O.D. and 5-5/16" long
- Simple yet effective in tracing all types of trouble such as grounding lines, open or short circuits
- Instantly tests 110 & 220 volt outlets, fuses and extension cords
- Pushbutton activated light in handle, convenient pocket clip

Part Number		Price per ea.
91-1171-00	Hi-Voltage Testing Screwdriver	4.40

INTERLOCK SWITCHES

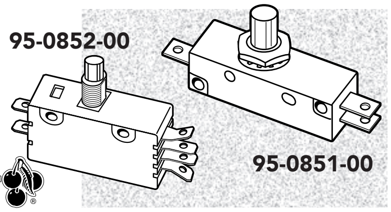
- E68-00A SPDT, 0.1 amp
- E68-01A SPST, 0.1 amp
- E69-00A SPDT, 10 amp
- E69-30A SPDT, 10 amp
- E78-00A DPDT, 0-1 amp
- E78-40A DPDT, 0.1 amp
- E79-00A DPDT, 10 amp
- E79-30A DPDT, 10 amp
- E79-40A DPDT, 10 amp
- UL/CSA Listed



Part Number		Price per ea.	L/25
53-7031-00	Interlock Switch, E68-00A	2.80	2.50
53-7025-00	Interlock Switch, E68-01A	2.65	2.30
53-7020-00	Interlock Switch, E69-30A	2.35	2.25
53-7011-00	Interlock Switch, E79-00A	3.95	3.35
53-7010-00	Interlock Switch, E69-00A	5.00	4.05
53-7032-00	Interlock Switch, E78-00A	6.40	5.25
53-7026-00	Interlock Switch, E78-40A	10.95	9.80
53-7030-00	Interlock Switch, E79-30A	3.50	3.20
53-7028-00	Interlock Switch, E79-40A	3.75	3.00
42-0578-00	Bracket for E68 & E69 Interlock Switches	1.49	1.29

SINGLE OR DOUBLE POLE SWITCHES

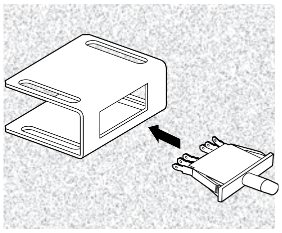
- .250 terminals
- 125 or 250 volt
- 15 Amp



Part Number		Ref. No.	Price per ea.
95-0852-00	Single Pole Door Switch	E13	6.40
95-0851-00	Double Pole Door Switch	E19-00M	9.00

SWITCH HOLDER

- Specially designed bracket to hold Cherry E7 series switches
- Protects switch from damage
- Switch easily snaps into holder
- Easy adjustable mounting
- Made from heavy duty 16-gauge steel
- Uses # 10 screws
- Switch not included



Part Number		Price per ea.	L/100
42-8061-00	Drop Door Switch Holder	2.45	2.10

DROP DOOR SWITCH HOLDER

NEW

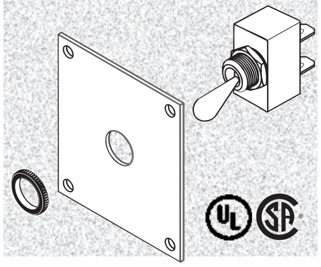
- Specially designed bracket to hold Cherry E7 series switches
- Protects switch from damage
- Switch easily snaps into holder
- Easy adjustable mounting
- Durable plastic design
- Uses # 10 screws
- Switch not included

Part Number		Price per ea.
22-0098	Drop Door Switch Holder	.92

BRACKET ASSEMBLY WITH ON/OFF TOGGLE SWITCH

NEW

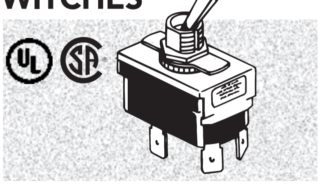
- Pre-assembled for easy installation
- Plate is pre-drilled with four mounting holes
- Overall plate dimensions: 2.25” x 2.50”
- .250” terminals
- UL/CSA listed
- Two versions available for your convenience



Part Number		Price per ea.
49-5259-00	Bracket Assembly with ON/OFF Toggle Switch SPST, 20 amp, 125v, .250” terminals	5.30
49-5259-10	Bracket Assembly with ON/OFF Toggle Switch DPST, 20 amp, 125v, .250” terminals	6.75

TOGGLE SWITCHES

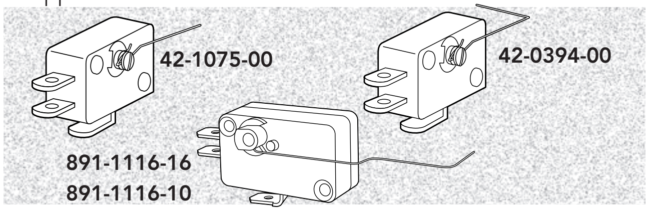
- .250 terminal
- 1/2" mounting hole
- UL/CSA listed



Part Number		Amps	Volts	Price per ea.
H9984622N	Single Pole Double Throw	20	125	14.24
49-0005-00	Double Pole Single Throw	20	125	4.95
49-0031-00	Single Pole Single Throw	20	125	4.50

COIN SWITCHES

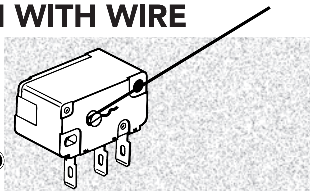
- Available with straight wire or custom bend to fit specific applications



Part Number		Price per ea.	L/100
42-1075-00	Coin Switch Assembly w/straight wire	3.50	2.95
42-0394-00	Coin Switch Assembly w/Bend for Happ Coin Doors	7.05	6.75
891-1116-10	Coin Controls Coin Switch with Formed Actuator, Red	6.50	5.55
891-1116-16	Coin Controls Coin Switch with Formed Actuator, Black	3.95	2.75
42-7087-00	Coin Switch Assembly Crouzet .250 Terminal	6.50	5.55

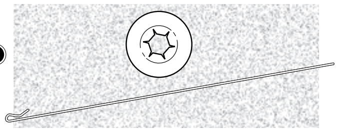
COIN SWITCH WITH WIRE

- .187 quick connect terminals
- High Cherry quality
- 125 Volt



Part Number	Description	Cherry No.	Amps	Price per ea.	L/25
42-0105-00	White Dot	E51-39RA	6	4.60	3.80
42-0315-00	White Dot (Vertical Leads)	E53-78R	.01	6.55	6.00
42-0312-00	Blue Dot	E53-82R	.01	5.20	4.70

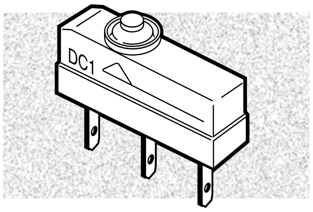
COIN SWITCH WIRE AND RETAINER



Part Number		Price per ea.
42-0200-00	3-¼" Hair Clip Style Wire	.24
95-4186-00	Wire Retainer (Push Nut)	.16

WATERPROOF SNAP SWITCH

- Waterproof and dust proof
- 5 amps
- 125/250 Volts
- .110 terminals



Part Number		Price per ea.	L/100
95-0863-00	Waterproof Snap Switch	2.20	1.95

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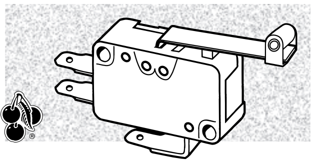
info@happcontrols.com
with your account information.

LONG ARM SWITCH WITH ROLLER ACTUATOR

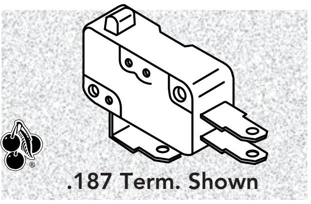
- 10 amps
- 125/250 volts
- .250 terminals



Part Number		Price per ea.	L/12
50-8018-20	Long Arm Switch w/Actuator	4.40	3.80

SNAP SWITCHES

- High Cherry quality switch
- 75 gram (standard) actuating force
- .187" or .250" terminal available

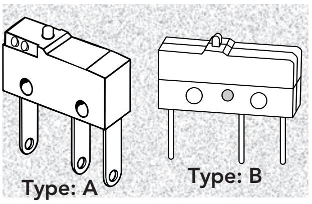


.187 Term. Shown

Part Number	Type	Terminals	Amps	Price per ea.	L/100
95-0733-01	D44	.187"	10	.92	.79
95-4114-00	D41	.187"	0.1	3.25	2.60
95-4111-00	D44	.250"	10	1.03	.91
95-4115-03	D41	.250"	0.1	3.25	2.60

MINIATURE SNAP SWITCHES

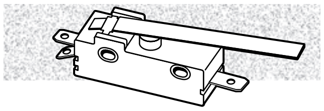
- Used for VLT buttons
- .110 terminals
- 125 volts



Part Number	Ref. No.	Amps	Actuator	Type	Contacts	Price per ea.
95-4117-00	DA3CBWBA	0.1	Green	A	Gold	3.25
95-4118-00	DA3ABWDD	0.1	White	A	Gold	2.00
95-4139-00	E62-30A	10	Red	B	Silver	2.50

SWITCHES WITH ACTUATOR

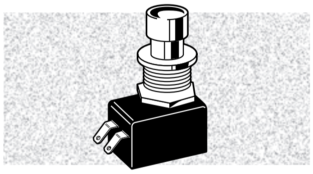
- .250 terminal
- 1-1/2" actuator



Part Number	Ref. No.	Amps	Volts	Price per ea.
42-0096-00	E-13-00H	15	125/250	3.40
42-0330-00	G-13-00H	0.1	125	9.95

MOMENTARY SWITCH

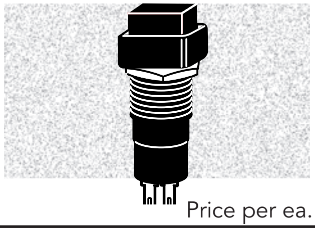
- Normally Open
- Single pole single throw
- 3 amp, 125 volt
- 1 amp, 250 volt
- 1/2" mounting hole



Part Number		Price per ea.
95-0845-00	Momentary Switch	7.45

ON-OFF BUTTON

- Push-on push-off (Latching)
- Red button cap
- 1/2" x 1/2" square
- 1-1/2" long
- 3 amp, 250 volt
- .110 terminal



Part Number		Price per ea.
95-0842-00	On/Off Button	2.50

MAGNETIC SWITCH WITH HARNESS

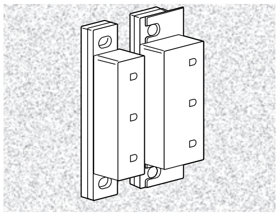
- White switch with harness
- Sentrol 1082-MOL

NEW

Part Number		Price per ea.
43-1670-00	Magnetic Switch With Harness	6.90

MAGNETIC SWITCH

- Normally open or normally closed available

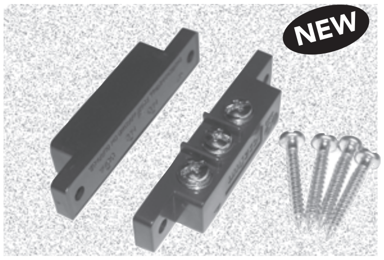


Part Number		Price per ea.
80-0306-00	Magnetic Switch, Normally Open	4.30
80-0306-10	Magnetic Switch, Normally Closed	4.40

MAGNETIC SWITCH

- Switch can be used as normally open or normally closed
- Includes 4 screws

NEW

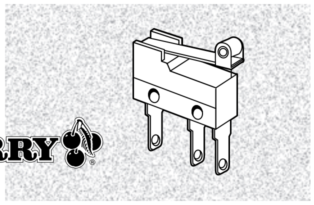


Part Number		Price per ea.
30-0209-00	Magnetic Switch, Normally Open/Closed	4.75

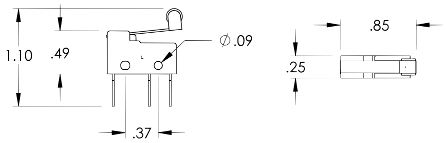
MINI-SNAP SWITCH WITH ROLLER ACTUATOR

- Roller actuator
- .110 terminals
- 0.1 amp 125 volt
- High Cherry quality
- Ref. No. E63-30K

CHERRY



Mounting Dimensions

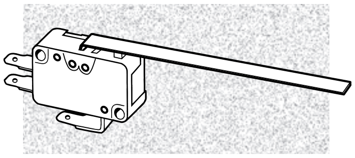


Part Number		Price per ea.	L/100
95-4138-00	Mini-Snap Switch With Roller Actuator	3.95	3.50

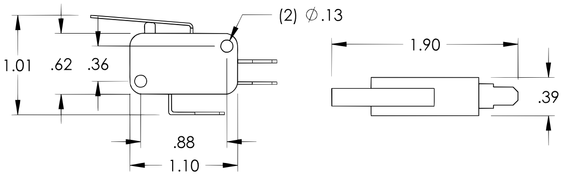
SNAP SWITCHES WITH STRAIGHT ACTUATORS

- 10 Amps
- 125 Volts
- .187 terminals

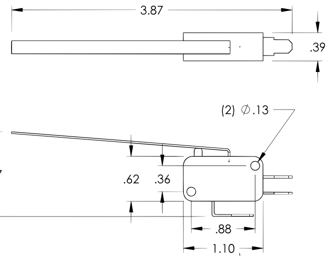
CHERRY



Mounting Dimensions 95-0735-00



Mounting Dimensions 95-4214-00

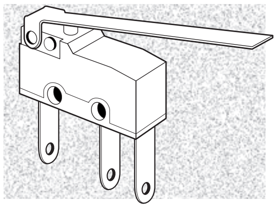


Part Number		Price per ea.
95-0735-00	1" Long Actuator	2.95
95-4214-00	3" Long Actuator	1.75

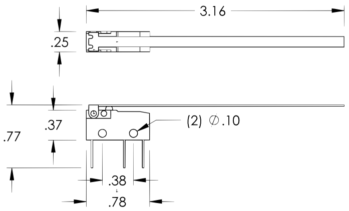
MINI-SNAP SWITCHES WITH ACTUATOR

- Fit All Recent Pinball Games
- 3" long actuator
- 0.1 amp, 125 volts
- .110 terminals

CHERRY



Mounting Dimensions 95-4183-00



Part Number		Price per ea.	L/100
95-4183-00	Mini-Snap Switch w/Flat Actuator	3.35	2.65
95-4170-00	Mini-Snap Switch w/Wire Actuator	3.35	2.60

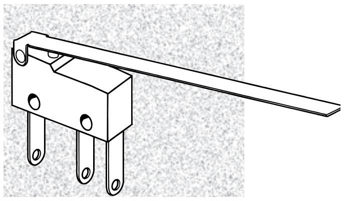
SWITCHES WITH ACTUATORS

- Made with GOLD contact CHERRY switches for long reliable service
- Two types available: "Miniature" D4 series "Subminiature" DA3 series
- Fit most applications on recent pinball games
- OEM applications – Custom designed switches also available, please inquire

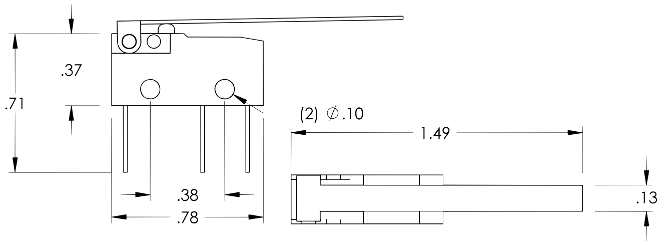
CHERRY®

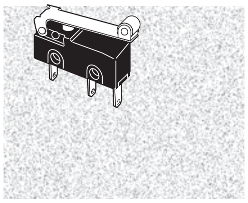
SUBMINIATURE SWITCHES

95-4141-00



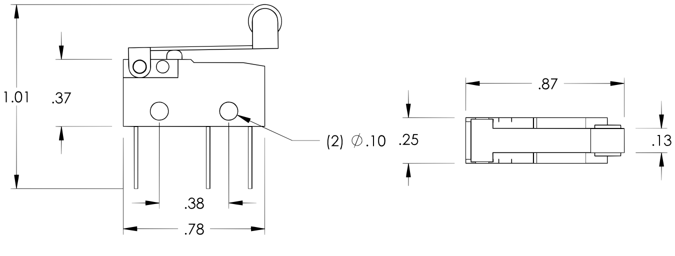
Mounting Dimensions 95-4141-00





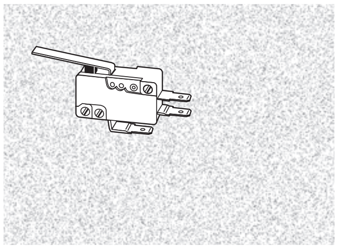
95-4142-00

Mounting Dimensions 95-4142-00



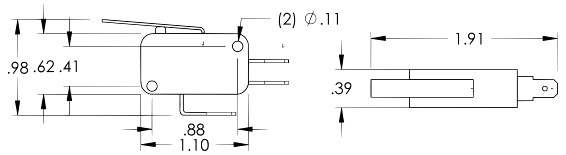
Part Number		Price per ea.	L/25
95-4141-00	Door Switch	2.60	2.05
95-4142-00	Validator Door Switch	2.60	2.05

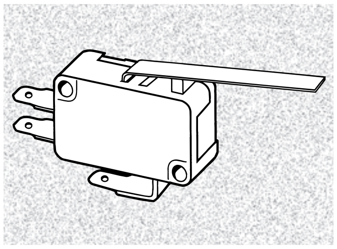
MINIATURE SWITCHES



95-4177-00

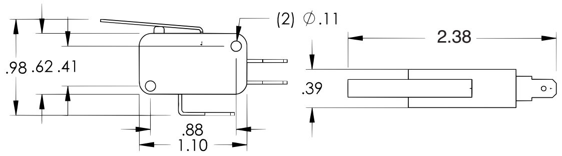
Mounting Dimensions 95-4177-00

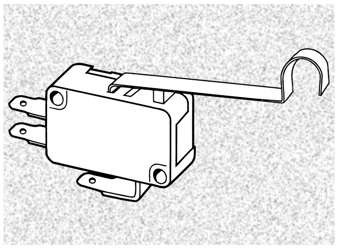




95-4155-00

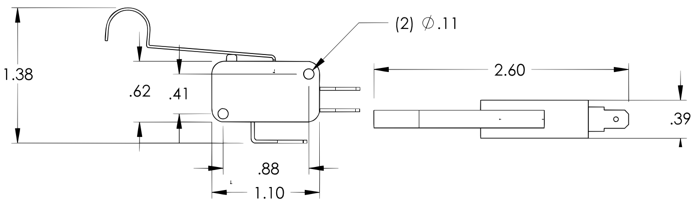
Mounting Dimensions 95-4155-00





95-4152-00

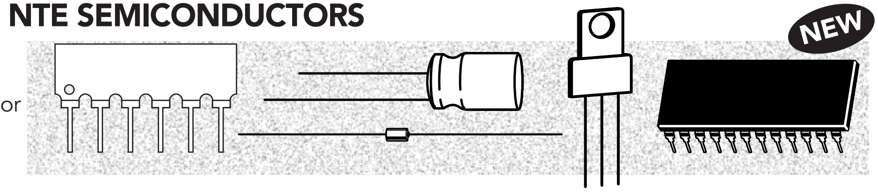
Mounting Dimensions 95-4152-00



Part Number		Price per ea.	L/25
95-4177-00	Hopper Escalator Switch	2.75	2.25
95-4155-00	Hopper Escalator Switch	3.75	2.50
95-4152-00	Validator Switch	4.00	3.35

NTE
ELECTRONICS, INC.

NTE SEMICONDUCTORS



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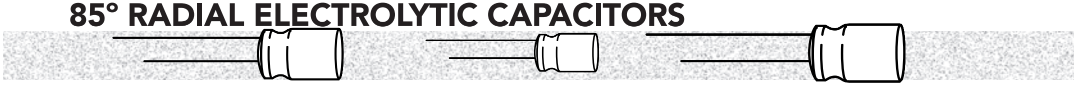
Part Number		Price per ea.
NTE11	T-NPN, Si, High Current Amp	1.70
NTE108	T-NPN, SI RF/IF/Video Amp,TO-72	.84
NTE116	R-Si, 600PRV, 1A	.81
NTE121	T-PNP, Ge, Audio Pwr Amp	17.35
NTE123A	T-NPN,SI-AF/RF AMP,TO-18	.75
NTE123AP	T-NPN, Si, Audio Amp, Sw	1.10
NTE125	D-Si, 1000 PRV, 2.5A	.87
NTE1288	IC-Linear, Audio Pwr Amp, 2.1W	8.30
NTE128P	T-NPN SI General Purpose Amp	1.35
NTE129P	T-PNP, Si, Gen Purpose Amp	1.65
NTE135A	Zener Diode	1.10
NTE142A	Zener Diode	.66
NTE145A	Zener Diode	.44
NTE15030	IC-Linear	9.50
NTE15031	IC-2 Channel RF Power Amp	17.65
NTE153	T-PNP, Si, Audio, Gen Purp Amp	3.20
NTE156	R-Si, 1000 PRV, 3A	1.60
NTE159	T-PNP, Si, Low Noise Audio Amp	1.85
NTE161	T-NPN, SI Video IF AMP, TO-72	1.31
NTE169	R-Si, Bridge, 600 PRV, 2A	3.70
NTE177	D-Si, Gen Purpose, 200 PRV	1.25
NTE1773	IC-Linear, Vert Defl Output	3.50
NTE1777	IC-Linear, TV, Fixed Vltg Reg,	14.35
NTE1788	IC-Linear, Vert Defl., Output	6.85
NTE1797	IC-Linear	3.57
NTE1855	IC-Linear, IF Amp	3.80
NTE1862	IC-Linear, Vertical Defl	6.85
NTE1917	IC-Vltg Reg, Neg, -5V, 100mA	3.75
NTE1934X	IC Volt Reg, POS 5V, 2A, TO-3P	7.20
NTE2013	IC-7-Channel Darlington	4.00
NTE2014	IC-7-Channel Darlington	4.95
NTE2018	IC-8-Channel Darlington	3.90
NTE219MCP	Transistor	6.25
NTE232	T-PNP, Si, Darlington Amp	1.20
NTE2324	T-NPN, Si, High Voltage Switch	10.10
NTE2331	T-NPN, Si, Horiz, Defl	7.75
NTE2344	T-PNP, Si, Darlington Audio Amp	2.50
NTE2353	T-NPN, Si, Horiz Defl Output	6.80
NTE2354	T-NPN, Si, High Vltg, Horiz. Out.	8.46
NTE2365	T-NPN,SI HORIZ OUT,TO-3P	15.03
NTE2371	MOSFET-P-Ch	8.15
NTE2379	MOSFET-N-Ch	4.85
NTE2382	MOSFET-N-Ch	5.30
NTE2383	MOSFET,P-CH,TO-220	5.08
NTE2385	MOSFET-N-Ch	7.25
NTE2388	MOSFET-N-Ch	8.60
NTE2389	MOSFET-N-Ch	4.85
NTE2395	MOSFET-N-Ch	5.30
NTE2396	MOSFET-N-Ch	5.55
NTE2397	Mosfet-PWR N-Chain, TO-220	5.80
NTE2398	MOSFET-N-Ch	4.45
NTE24	T-NPN, Si,Sw, Gen Purpose Amp	1.85
NTE2501	T-NPN, Si, HV for Video Output	2.55
NTE2508	T-NPN, Si, Video Output for HDTV	1.80
NTE254	T-PNP, Si, Darlington Pwr Amp	2.95
NTE262	T-PNP, Si, Darlington Pwr Amp	3.00
NTE287	T-NPN, Si, Gen Purp	1.20
NTE289	T-NPN, Si, Audio Pwr Amp & Sw	1.50
NTE289A	T-NPN, SI-AF Power Output TO-92	1.55

Part Number		Price per ea.
NTE290	T-PNP, Si, Audio Amp & Sw	1.50
NTE290A	T-PNP, Si, Audio Amp & Sw	1.30
NTE291	T-NPN, Si, Gen Purpose Amp	3.75
NTE292	T-PNP, Si, Gen Purp Amp	3.95
NTE3041	Optoisolator, NPN Transistor	2.40
NTE3047	Optoisolator, TRIAC Output	3.50
NTE3049	Optoisolator, TRIAC	6.75
NTE3084	Optoisolator, FET Output	2.80
NTE3098	Opto-Isolator Transistor Output	2.45
NTE332	T-PNP, Si, Audio Pwr Amp, Sw	3.95
NTE373	T-NPN, Si, Audio Amp & Driver	2.25
NTE375	T-NPN, Si, Vertical Deflection,	3.30
NTE377	T-NPN, Si, Pwr Amp, Driver, Sw	3.50
NTE378	T-PNP, Si, Pwr Amp, Driver, Sw	3.75
NTE382	T-NPN, Si, Audio Driver	2.55
NTE383	T-PNP, Si, Audio Driver	2.60
NTE398	T-PNP, Si, Vertical Deflection	3.60
NTE399	T-NPN,SI-VIDEO OUTPUT, TO-92	1.95
NTE4001B	IC-CMOS, NOR Gate	.56
NTE40106B	IC-CMOS, Hex Schmitt Trigger	1.50
NTE4049	IC-CMOS, Hex Buffer/Converter,	1.55
NTE4071B	IC-CMOS, Quad 2-Input, OR Gate	.96
NTE4093B	IC-CMOS, Schmitt Trigger	1.30
NTE46	T-NPN, Si, Darlington,	2.25
NTE466	JFET, N-Ch, Chopper/Sw	3.35
NTE47	T-NPN, Si	1.35
NTE490	MOSFET, N-Ch	.97
NTE4900	Zener Diode	2.75
NTE4901	Zener Diode	6.75
NTE4934	Zener Diode	2.95
NTE5004A	Zener Diode	.87
NTE5015A	Zener Diode, 7.5V	.78
NTE5016A	Zener Diode, 8.2V, 1/2 W	.87
NTE5019A	Zener Diode, 10V, 1/2W	.87
NTE5020A	Zener Diode, 11V, 1/2W	.87
NTE5021A	Zener Diode, 12V, 1/2W	.87
NTE5027A	Zener Diode, 18V, 1/2W	.87
NTE5141A	Zener Diode	2.45
NTE5162A	Zener Diode	2.45
NTE519	D-Si, Ultra Fast Switch, 100V P, RV	1.25
NTE5312	R-Si, Bridge, 100V, 8A	3.80
NTE5320	Bridge Rectifier	3.95
NTE5324W	Rectifier-SI, Bridge, 400V, 25A	5.20
NTE5340	Rectifier-SI, Bridge, 200V, 40A	6.46
NTE5461	SCR-50 VRM, 10A, TO-220	1.95
NTE5330	R-Si, Bridge, 600V, 6A	5.20
NTE5332	R-Si, Bridge, 600V, 1A	1.85
NTE5368	SCR-High Speed, 600V, 125A	121.55
NTE54	T-NPN, Si, High Freq Dr	4.40
NTE5466	SCR-600V, 10A	4.95
NTE552	R-Si, General Purpose	1.60
NTE558	Rectifier-SI, 1500V, 1A	1.85
NTE5602	TRIAC-100Vrm	1.85
NTE5603	TRIAC-200V, 4A	2.10
NTE5608	TRIAC-400V, 8A	3.05
NTE5638	TRIAC-400V, 8A (Isolated Tab)	3.60
NTE5655	TRIAC-200Vrm	1.45
NTE574	R-SI,400V, DO-41	.39
NTE575	R-SI,1000V,1A, DO-41”	.43

Part Number		Price per ea.
NTE576	RECTIFIER-SI,400V,5AMP,35NS	1.31
NTE577	R-Si, Gen Purp, Fast Recovery	4.50
NTE580	R-Si, Gen Purp, Fast Recovery	2.90
NTE5801	R-100Prv, 3A, Axial Lead	.84
NTE5806	R-600Prv, 3A, Axial Lead	1.65
NTE585	D-Si, Schottky	1.45
NTE587	D-Si, Ultra Fast Switch	1.30
NTE588	D-Si, Ultra Fast Switch	1.95
NTE6240	R-Si. Dual, Center Tap	5.10
NTE6244	R-Si, Dual, Center Tap	5.80
NTE65101	IC-CMOS 1K SRAM,22-PIN DIP”	9.98
NTE66	MOSFET-POWER-N-CHAN, TO-220	8.21
NTE7039	IC-Linear, Vert Defl, Output	3.80
NTE7062	IC-Linear, CRT Display	6.05
NTE7071	IC-Linear, Dual, Full-Bridge Driver	9.05
NTE7081	IC-Linear, RGB Video Amp	12.75
NTE7085	IC-Linear, Vert Defl Output	5.25
NTE7086	IC-Linear, Sync Deflection Ckt	3.75
NTE7096	IC-Linear,Current Mode PWM Ctrl	3.60
NTE7126	IC-Linear, Switching Regulator	14.55
NTE7402	IC-TTL, Positive NOR Gate	1.10
NTE7404	IC-TTL, Hex Inverter	1.00
NTE7408	IC-TTL, Pos AND Gate	1.30
NTE7410	IC-TTL, Pos AND Gate	.89
NTE7414	IC-TTL, Hex Schmitt Trigger	4.10
NTE7417	IC-TTL, Hex Buffer/Driver	1.55
NTE74121	IC-TTL, Monostable Multivibrator	2.75
NTE74161	IC-TTL, 4-Bit Binary Counter	3.60
NTE74HC00	IC-TTL, High Speed CMOS	.74
NTE74HC02	IC-TTL, High Speed CMOS	.65
NTE74HC08	IC-TTL, High Speed CMOS	.65
NTE74HC14	IC-TTL, High Speed CMOS	1.35
NTE74HC273	IC-TTL, High Speed CMOS	1.65
NTE74HC32	IC-TTL, High Speed CMOS	.90
NTE74HC573	IC-TTL, High Speed CMOS	1.80
NTE74HC574	IC-TTL, High Speed CMOS	1.80
NTE74LS109A	IC-TTL, Flop 16 Pin Dip	.63
NTE778A	IC-Linear, Dual OP Amp	4.20
NTE834	IC-Linear, Low Power, Low Offset	3.20
NTE85	T-NPN, Si, Gen Purp Amp	1.05
NTE858M	IC-Linear, OP Amp	4.05
NTE859	IC-QUAD JFET INPUT OP AMP,14-PIN DIP	2.37
NTE891M	IC-Linear, Dual Audio OP Amp	1.80
NTE922M	IC-Linear, Voltage Comparator	2.75
NTE928M	IC-Linear, Dual OP Amp	3.50
NTE943M	IC-Linear, Low Power, Low Offset	2.23
NTE955M	IC-Linear, Monolithic Timer	2.05
NTE956	IC-Vltg Reg, Pos Adj	3.60
NTE957	IC-Vltg Reg, Neg Adj	4.20
NTE960	IC-Vltg Reg, Pos, 5V, 1A	4.15
NTE966	IC-Vltg Reg, Pos, 12V, 1A	4.40
NTE977	IC-Vltg Reg, Pos, 5V, 100ma	2.00
NTE987	IC-Linear, Quad OP Amp	2.75

85° RADIAL ELECTROLYTIC CAPACITORS

- P.C. mount type



Part Number	Volts	MF	Price per ea.
62-0150-00	6.3	1000	.68
62-0236-00	10	10	.40
62-0182-00	10	22	.11
62-0165-00	10	150	.80
62-0178-00	10	220	.25
62-0198-00	10	470	.36
62-0127-00	10	1000	.40
62-0156-00	10	1500	1.35
62-0166-00	10	2200	.41
62-0186-00	10	3300	.51
62-0122-00	10	4700	.93
62-0282-00	15	1	.47
80-0129-00	16	10	.54
62-0083-00	16	22	.63
80-0122-00	16	47	.57
62-0088-00	16	100	.98
62-0089-00	16	220	1.25
62-0200-00	16	330	.73
62-0409-00	16	330	.21
62-0090-00	16	470	.30
62-0206-00	16	680	.62
62-0001-00	16	1000	.30
62-0284-00	16	1200	1.40
62-0205-00	16	2200	4.40
80-0107-00	16	3300	4.05
62-0208-00	16	4700	7.80
62-0202-00	16	6800	5.70
62-0129-00	16	10000	.68
62-0091-00	25	2.2	.57
62-0092-00	25	3.3	.57
62-0093-00	25	4.7	.57
62-0094-00	25	10	.59
80-0126-00	25	22	1.25
62-0096-00	25	33	.72
62-0075-00	25	47	.63
62-0267-00	25	68	.36
62-0138-00	25	100	.30
62-0397-00	25	120	.78
62-0130-00	25	220	.89
80-0117-00	25	220	.88
62-0211-00	25	330	1.50
80-0111-00	25	470	1.20
62-0157-00	25	1500	1.65
62-0123-00	25	2200	3.25
62-0187-00	25	3300	1.50
62-0112-00	25	4700	4.25
62-0203-00	25	6800	5.90
62-0153-00	25	15000	10.95
62-0101-00	35	10	1.05
62-0183-00	35	22	.19
80-0137-00	35	47	1.25
80-0193-00	35	100	3.60
80-0114-00	35	330	1.20
62-0218-00	35	470	1.45
62-0073-00	35	680	.65
80-0109-00	35	1000	2.75
80-0106-00	35	2200	2.85
62-0221-00	35	3300	6.15
62-0197-00	35	4700	3.65
62-0204-00	35	6800	6.95
62-0146-00	35	10000	15.50
62-0116-00	50	0.1	.55
62-0117-00	50	0.47	.55
62-0224-00	50	0.47	.22
80-0087-00	50	1	.39
80-0132-00	50	2.2	.97
62-0102-00	50	3.3	.22
80-0088-00	50	3.3	.48
80-0130-00	50	4.7	.48
80-0128-00	50	10	.39
80-0103-00	50	22	.72
80-0123-00	50	47	.48
80-0118-00	50	100	.68
80-0148-00	50	220	1.35
80-0113-00	50	330	1.60
62-0018-00	50	470	.89
80-0078-00	50	470	1.95
80-0108-00	50	1000	2.45
62-0114-00	50	2200	6.05
62-0189-00	50	3300	4.80
80-0086-00	50	4700	4.95
80-0101-00	60	22	1.50
62-0185-00	63	3.3	.19
62-0479-00	63	4.7	.57
62-0144-00	63	10	.48
62-0184-00	63	22	.16
62-0480-00	63	47	1.10
80-0120-00	63	100	.86
62-0180-00	63	220	.73
62-0193-00	63	330	.93
62-0201-00	63	470	1.25
62-0124-00	63	1000	4.20
62-0172-00	63	2200	3.70
62-0120-00	80	4700	10.95
62-0289-00	100	0.1	.27
62-0290-00	100	1	.62
62-0227-00	100	2.2	.16
62-0481-00	100	4.7	.69
62-0155-00	100	10	.84
62-0271-00	100	22	.22
80-0102-00	100	47	.91
62-0300-00	100	100	1.80
62-0364-00	100	220	1.46
62-0233-00	100	1000	11.00
62-0237-00	160	1	.10
62-0128-00	160	1.9	.72
62-0485-00	160	2.2	.85
62-0215-00	160	3.3	.39
80-0080-00	160	4.7	.72
80-0124-00	160	10	.88
62-0214-00	160	22	.44
80-0121-00	160	33	2.25
80-0079-00	160	47	2.15
62-0276-00	160	68	2.00
80-0119-00	160	100	3.50
62-0145-00	160	150	1.55
62-0213-00	160	220	4.55

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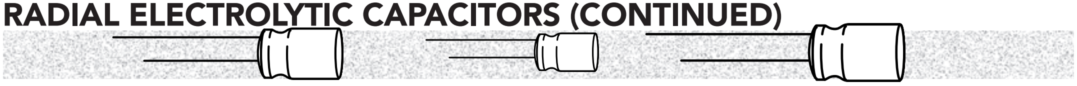
85° RADIAL ELECTROLYTIC CAPACITORS (CONTINUED)

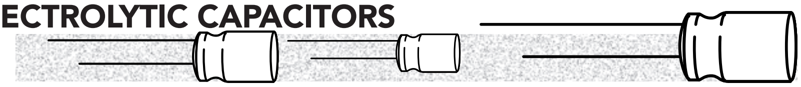
- P.C. mount type



Part Number	Volts	MF	Price per ea.
80-0115-00	160	330	3.85
62-0220-00	160	470	8.20
62-0383-00	200	47	2.00
62-0068-00	200	100	1.85
62-0425-00	200	2200	3.40
62-0380-00	200	330	4.50
62-0291-00	200	470	7.25
62-0353-00	200	1200	13.10
62-0212-00	250	2.2	.17
62-0483-00	250	3.3	1.35
80-0104-00	250	4.7	1.35
80-0127-00	250	10	1.35
62-0495-00	250	22	2.45
62-0496-00	250	33	3.35
80-0096-00	250	47	4.15
62-0484-00	250	100	2.95
62-0066-00	250	150	8.15
62-0497-00	250	220	12.30
62-0299-00	250	330	14.75
62-0006-00	250	470	10.55
62-0317-00	350	4.7	1.60
80-0095-00	350	100	7.35
62-0339-00	400	68	3.57
62-0240-00	400	100	4.25
62-0398-00	400	470	8.34
62-0209-00	450	1	.81
62-0219-00	450	4.7	.65
62-0118-00	450	10	2.20
62-0210-00	450	100	9.70
62-0308-00	821	25	2.95

105° RADIAL ELECTROLYTIC CAPACITORS

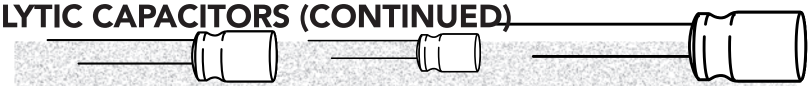
- P.C. mount type
- -40° to +105° C



Part Number	Volts	MF	Price per ea.	L/100
62-0084-105	10	100	.30	.27
62-0183-105	10	1000	.45	.45
62-0079-105	10	1500	1.65	1.30
62-0184-105	10	1800	1.80	1.45
62-0027-105	10	2200	1.25	.95
80-0129-105	16	10	.26	.20
62-0083-105	16	22	.29	.29
62-0150-105	16	33	.22	.19
80-0122-105	16	47	.23	.19
80-1159-105	16	220	.68	.59
62-0420-105	16	270	1.55	1.20
80-1162-105	16	330	.44	.33
80-1163-105	16	470	.30	.30
80-1160-105	16	1000	.50	.42
62-0185-105	16	1500	1.60	1.25
80-1161-105	16	2200	.89	.62
62-0416-105	16	3300	1.40	1.10
62-0195-105	16	10000	13.05	10.15
62-0115-105	25	4.7	.22	.22
62-0094-105	25	10	.45	.35
62-0487-105	25	15	.27	.25
62-0110-105	25	22	.11	.09
62-0075-105	25	47	.40	.38
62-0097-105	25	100	.44	.40
62-0156-105	25	150	1.50	1.40
80-0117-105	25	220	.54	.50
62-0403-105	25	270	1.85	1.45
80-0111-105	25	470	.38	.27
62-0107-105	25	820	2.60	2.05
80-0110-105	25	1000	.56	.52
62-0400-105	25	1800	2.85	2.20
62-0178-105	25	2200	1.35	1.05
62-0013-105	25	2500	1.55	1.20
62-0196-105	25	6800	13.05	10.15
62-0377-105	25	22000	14.15	11.00
62-0404-105	25	65000	90.40	70.30
62-0005-105	35	10	.13	.12
80-1165-105	35	22	.40	.33
62-0328-00	35	33	.25	.25
80-1166-105	35	47	.40	.33
80-0193-105	35	100	.21	.17
62-0467-105	35	150	.74	.72
62-0325-00	35	180	2.05	1.60
62-0130-105	35	220	.31	.23
62-0413-105	35	220	2.45	1.90
62-0125-105	35	330	.60	.50
62-0218-105	35	470	.49	.35
62-0327-00	35	560	1.10	.83
62-0181-105	35	680	1.15	.86
80-0109-105	35	1000	.55	.55
80-0106-105	35	2200	2.05	1.95
80-1224-105	35	4700	5.40	5.15
62-0378-105	35	15000	12.90	10.05
62-0116-105	50	0.1	.37	.30
62-0117-105	50	0.47	.37	.30
80-0087-105	50	1	.33	.29
80-0132-105	50	2.2	.16	.13
62-0109-105	50	3.3	.34	.29
80-0130-105	50	4.7	.59	.42
62-0047-00	50	5.6	.62	.49
80-0128-105	50	10	.33	.28
62-0018-105	50	22	.16	.14
62-0169-00	50	33	.17	.14
80-0123-105	50	47	.23	.18
80-1167-105	50	100	.23	.18
80-0148-105	50	220	.36	.32
80-0113-105	50	330	.81	.81
62-0375-105	50	470	.63	.50
62-0468-105	50	1000	1.45	1.35
62-0114-105	50	2200	2.05	1.95
62-0390-105	50	4700	4.80	3.75
62-0373-105	63	0.10	1.30	.97
62-0188-105	63	0.47	1.10	.83
62-0189-105	63	1	1.25	.92
62-0176-00	63	4.7	.39	.31
62-0144-105	63	10	.37	.30
62-0078-105	63	22	.14	.14
62-0174-00	63	47	.24	.19
80-0120-105	63	100	.30	.26
62-0077-105	63	220	1.20	.99
62-0391-105	63	330	.75	.59
62-0376-105	63	470	1.35	1.05
62-0290-105	100	1	.84	.74
62-0293-00	100	3.3	.57	.41
62-0155-105	100	10	.20	.16
80-1168-105	100	22	.40	.29
62-0151-105	100	33	.48	.38
80-0102-105	100	47	.61	.54
62-0300-105	100	100	.66	.60
62-0152-105	100	220	2.20	1.75
62-0393-105	160	0.22	5.95	4.60
62-0128-105	160	1	.44	.38
62-0010-105	160	10	.37	.29
62-0482-105	160	22	.57	.47
80-0121-105	160	33	1.25	1.10
80-0079-105	160	47	1.15	.96
62-0129-105	160	100	1.45	.99
62-0164-00	160	150	12.15	9.45
62-0366-105	160	220	2.50	1.95
62-0177-00	160	470	3.05	3.05
62-0161-00	200	22	.59	.46
62-0028-105	200	33	1.55	1.20
62-0186-105	200	47	2.65	2.10
62-0076-105	200	82	4.30	3.40
62-0104-00	200	100	2.25	2.00
62-0469-105	200	220	2.95	2.70
62-0190-105	200	470	23.55	18.35
80-0105-105	250	1	.43	.33
80-1222-105	250	2.2	.31	.30
80-0104-105	250	4.7	.59	.50
62-0158-105	250	10	.25	.25
62-0159-105	250	22	.65	.65
62-0168-00	250	33	.91	.70
80-0096-105	250	47	1.70	1.20

- P.C. mount type
- -40° to +105° C

105° RADIAL ELECTROLYTIC CAPACITORS (CONTINUED)



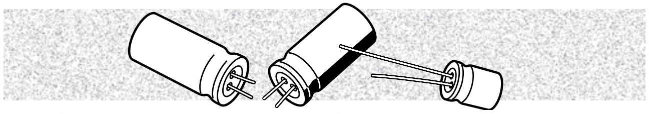
Part Number	Volts	MF	Price per ea.	L/100
62-0068-105	250	100	2.30	1.85
62-0066-105	250	150	11.85	9.25
62-0402-105	250	200	3.60	3.60
62-0470-105	250	470	6.40	5.95
62-0418-105	250	100,000 (PF)	2.10	1.65
62-0166-105	350	4.7	.80	.73
62-0193-105	350	22	2.60	2.05
62-0197-105	400	2.2	1.25	.95
62-0180-105	400	68	7.60	5.95
62-0500-105	400	220	8.55	8.00
62-0179-105	400	270	17.60	13.75

Part Number	Volts	MF	Price per ea.	L/100
62-0401-105	400	330	9.90	7.70
80-1169-105	450	2.2	.63	.54
62-0045-105	450	3.3	1.55	1.20
62-0372-105	450	180	14.85	11.55
62-0105-105	450	220	11.55	9.00
62-0471-105	450	330	8.05	7.40

AXIAL ELECTROLYTIC CAPACITORS

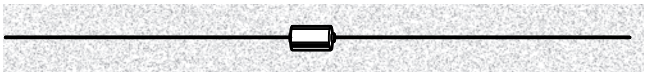
Part Number	Volts	MF	Price per ea.
62-0235-00	10	10	.56
62-0238-00	15	1000	2.70
62-0277-00	16	10	.56
63-0111-00	16	220	1.35
80-0089-00	16	470	.42
63-0112-00	16	2200	4.75
62-0043-00	25	33	.43
62-0049-00	25	47	.33
63-0113-00	25	100	1.35
62-0072-00	25	220	.69
63-0480-00	25	470	2.45
63-0116-00	25	1000	3.60
63-0238-00	25	4700	9.15
63-0114-00	35	10	.32
62-0255-00	35	220	.43
63-0110-00	35	220	.86
62-0256-00	35	330	.56
63-0119-00	35	330	.60
63-0117-00	35	470	.47
80-0133-00	50	470	.97
62-0266-00	50	4700	3.70
62-0223-00	100	22	1.25
62-0269-00	100	33	.98
62-0099-00	160	3.3	.68
62-0105-00	160	33	1.65
62-0273-00	160	33	2.45
62-0147-00	160	150	11.00
63-0491-00	200 vdc	270	5.00
63-0121-00	250	2.2	.79
62-0108-00	350	33	3.06
62-0058-00	450	10	1.59
62-0079-00	450	10	3.85
62-0109-00	450	33	5.05

CAPACITORS



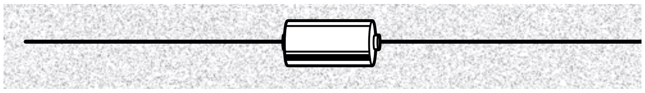
Part Number	Type	Volts	MF	Price per ea.
62-0120-00	WVDC	80	4700	10.95
62-0541-00	Tantlum	35	1.0	1.95
62-0542-00	Tantlum	35	.68	2.05
62-0545-00	Ceramic	25	.01	2.10
62-0546-00	Ceramic	1KV	560PFD	1.20
62-0550-00	BIPO	50	1	.84

DIODES



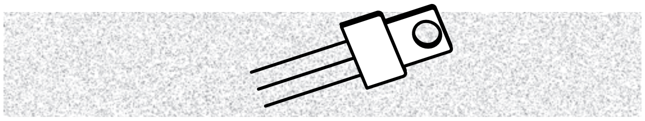
Part Number		Price per ea.
68-0453-00	1N4003	.28
10D-N4004-00	1N4004	.16
68-0455-00	1N4005	.36
68-0456-00	1N4148	.24
68-0467-00	1N4742A	1.25
68-0470-00	IN4937	.12
68-0457-00	1N5233B	.32
68-0458-00	1N5236B	.69
68-0459-00	1N5242B	.54
68-0468-00	1N5349A	1.80
68-0461-00	1N5349B	3.90
68-0463-00	1N5401	1.10
68-0465-00	1N5625	2.25
68-0471-00	IN5954B	.44
68-0451-00	1N914B	.45
68-0464-00	MPTE-5	5.20

TRANSISTORS



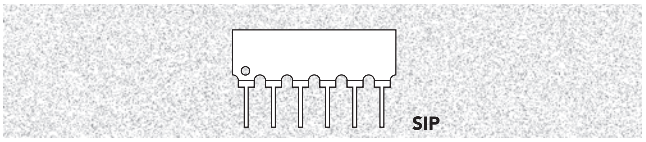
Part Number		Price per ea.
67-0407-00	2N3904	.57
67-0408-00	2N3905	.57
67-0409-00	2N3906	.57
67-0421-00	2N5062	1.25
67-0420-00	2N5064	3.15
67-0419-00	2SC2344	1.25
67-0417-00	2SC3040	7.30
67-0601-00	2SC3782	4.00
67-0398-00	2SD871	10.65
67-0402-00	KN2222	.44
67-0404-00	MPS6517	.57
67-0400-00	MPSA42	.57
67-0410-00	MPSA64	.57
67-0401-00	MPSA92	.57
67-0403-00	PN2907A	.96
67-0406-00	TIP125	2.20
67-0399-00	VN0104N3/FET	2.10

TRIACS



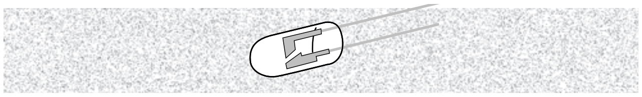
Part Number		Price per ea.
65-0237-00	2N6071A	2.95
65-0235-00	MAC15-6N	3.80
65-0236-00	S-4015L	3.20

RESISTOR PACKAGES



Part Number	Ohms		Price per ea.
66-0280-00	330-4	RESISTOR NETWORK, 8-Pin SIP	.44
66-0281-00	470-7	RESISTOR NETWORK, 8-Pin SIP	.44
66-0282-00	510-4	RESISTOR NETWORK, 8-Pin SIP	.44
66-0283-00	10K-9	RESISTOR NETWORK, 10-Pin SIP	.44
66-0284-00	10K	RESISTOR NETWORK, 9-Pin SIP	.54

LIGHT EMITTING DIODES



Part Number		Price per ea.
68-0560-00	Red	.51
68-0561-00	Green	.51
68-0562-00	Yellow	.51

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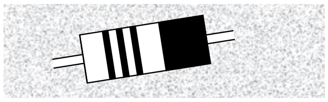
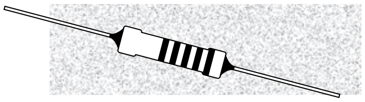


Part Number	Ohms	Price per ea.
66-0290-00	1.0	.16
66-0290-10	2.2	.38
66-0291-00	3.0	.16
66-0300-00	4.7	.16
66-0292-00	5.6	.16
66-0301-00	10	.16
66-0295-00	12	.38
66-0297-00	15	.16
66-0302-00	33	.16
66-0303-00	47	.16
66-0304-00	68	.16
66-0304-10	75	.25
66-0305-00	100	.16
66-0348-00	120	.16
66-0298-00	150	.16
66-0306-00	180	.16
66-0307-00	220	.16
66-0308-00	270	.16
66-0309-00	300	.16
66-0310-00	330	.16
66-0311-00	470	.16
66-0312-00	510	.16
66-0313-00	680	.16
66-0314-00	750	.16
66-0314-01	820	.16
66-0315-00	1.0K	.16
66-0316-00	1.5K	.16
66-0316-10	1.8K	.21
66-0316-20	2.0K	.16
66-0317-00	2.2K	.16
66-0318-00	2.7K	.16
66-0319-00	3.0K	.16
66-0319-10	3.3K	.16
66-0320-00	3.9K	.16
66-0321-00	4.7K	.16
66-0321-10	5.1K	.16
66-0322-00	6.8K	.38
66-0323-00	7.5K	.16
66-0324-00	8.2K	.16
66-0325-00	10K	.16
66-0326-00	12K	.47
66-0327-00	15K	.16
66-0328-00	18K	.16
66-0329-00	20K	.16
66-0331-00	27K	.16
66-0332-00	33K	.16
66-0333-00	47K	.16
66-0334-00	51K	.16
66-0335-00	56K	.16
66-0336-00	68K	.16
66-0337-00	100K	.16
66-0338-00	180K	.16
66-0339-00	220K	.16
66-0340-00	270K	.16
66-0341-00	330K	.16
66-0341-10	360K	.16
66-0342-00	470K	.16
66-0343-00	510K	.16
66-0344-00	680K	.16
66-0344-10	1 Mg	.16

1/2 WATT RESISTORS

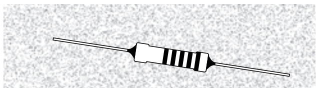
- 5% Carbon Film
- Minimum Order: 10 of any one value



Part Number	Ohms	Price per ea.
66-0249-00	1.2	.16
66-0245-00	3.3	.16
66-0250-00	4.7	.16
66-0274-00	27	.16
66-0244-00	33	.16
66-0251-00	68	.16
66-0247-00	100	.16
66-0252-00	150	.16
66-0253-00	200	.16
66-0254-00	220	.16
66-0255-00	240	.63
66-0256-00	270	.16
66-0257-00	470	.16
66-0258-00	510	.16
66-0246-00	680	.16
66-0259-00	1.0K	.16
66-0275-00	1.2K	.63
66-0260-00	1.3K	.16
66-0261-00	1.5K	.16
66-0262-00	2.1K	.26
66-0263-00	2.2K	.16
66-0265-00	4.7K	.16
66-0266-00	5.1K	.16
66-0267-00	10K	.16
66-0268-00	22K	.16
66-0269-00	33K	.16
66-0276-00	39K	.20
66-0271-00	100K	.16
66-0272-00	220K	.16

1 WATT RESISTORS

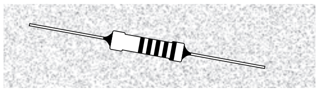
- 5% Carbon Film
- Minimum Order: 10 of any one value



Part Number	Ohms	Price per ea.
66-0351-00	1.2	.21
66-0358-00	75	.44
66-0352-00	270	.21
66-0357-00	680	.27
66-0353-00	1.0K	.47
66-0356-00	2.0K	.21
66-0355-00	6.8K	.21
66-0354-00	33.0	.27

2 WATT RESISTORS

- 5% Carbon Film
- Minimum Order: 10 of any one value



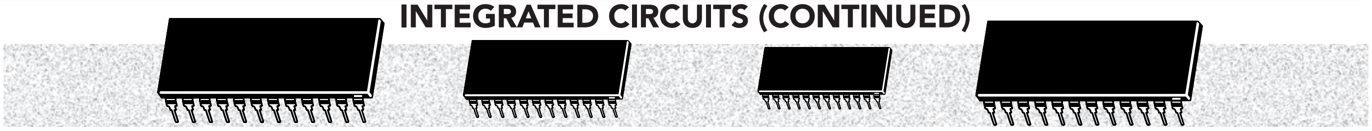
Part Number	Ohms	Price per ea.
66-0359-00	50	.22
66-0363-00	150	.40
66-0360-00	510	.16
66-0347-00	2400	.90
66-0365-00	100K	.98

INTEGRATED CIRCUITS

Part Number		Price per ea.
60-0001-01	7400	.97
60-0002-01	7404	1.20
60-0501-00	7406	.85
60-0003-01	7417	.96
60-0042-00	7812	2.00
80-0294-00	14066	1.65
60-0475-00	12.MHz	1.75
60-0476-00	1.8432MHz	4.40
60-0471-00	24C04	2.70
60-0506-00	27C1000DC (1 Meg)	11.55
60-0493-00	27C256	6.00
60-0504-00	27C4000DC (4 Meg)	7.15
60-0120-00	27C512 (1/2 Meg)	5.30
60-0133-00	27C64	6.90
60-0507-00	27C2000DC (2 Meg)	4.95
60-0119-00	27C256	4.95
60-0036-00	4049UB	1.40
60-0037-00	4094B	2.10
60-0497-00	556	.93
60-0489-00	6264-10 8KX8	3.95
60-0071-00	6N137	1.65
60-0074-00	6N139	3.10
60-0509-00	74AC04	.62
60-0027-00	74C14	1.85
80-0284-00	74C922	7.46

Part Number		Price per ea.
60-0121-00	74F139	1.10
60-0067-00	74F74	.82
60-0075-00	74HC00	.86
60-0028-00	74HC02	.53
60-0029-00	74HC04	1.12
60-0102-00	74HC05	1.25
60-0076-00	74HC08	.22
60-0077-00	74HC107	1.05
60-0483-00	74HC11	.67
60-0078-00	74HC126	1.55
80-0290-00	74HC132	1.80
60-0030-00	74HC138	1.85
60-0079-00	74HC14	.24
60-0080-00	74HC161	1.25
60-0066-00	74HC163	3.55
60-0103-00	74HC165	2.00
60-0081-00	74HC166	1.85
60-0082-00	74HC174	.88
60-0482-00	74HC175	1.45
60-0083-00	74HC20	1.45
60-0111-00	74HC244	.27
60-0487-00	74HC245	.44
60-0108-00	74HC273	1.60
60-0085-00	74HC32	.86
60-0484-00	74HC367	1.70

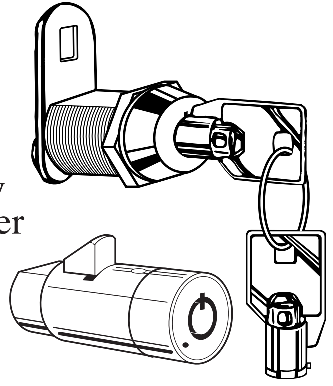
INTEGRATED CIRCUITS (CONTINUED)



Part Number		Price per ea.
60-0031-00	74HC373	3.05
60-0106-00	74HC374	1.55
60-0481-00	74HC4020	1.30
60-0105-00	74HC4060	.28
60-0477-00	74HC4066	1.10
60-0478-00	74HC534	2.45
60-0086-00	74HC573	1.70
60-0087-00	74HC574	1.60
60-0088-00	74HC74	.69
60-0492-00	74HCT244	1.10
60-0480-00	74HCT245	1.10
60-0095-00	74HCT93	4.65
80-0288-00	74LS00	.84
60-0009-00	74LS02	.84
60-0010-00	74LS04	1.40
60-0011-00	74LS06	1.30
60-0012-00	74LS08	.24
60-0065-00	74LS138	.79
60-0018-00	74LS139	1.20
60-0013-00	74LS14	1.30
60-0069-00	74LS155	2.55
80-0286-00	74LS174	1.20
60-0020-00	74LS221	1.85
60-0499-00	74LS244	1.10
60-0021-00	74LS245	2.25
60-0022-00	74LS253	1.40
60-0024-00	74LS259	3.20
60-0014-00	74LS27	.90
80-0179-00	74LS273	1.05
60-0015-00	74LS30	.72
80-0287-00	74LS32	.72
60-0032-00	74LS374	1.50
60-0503-00	74LS541	.51
60-0017-00	74LS74	.96
49-1310-00	74LS86	3.25
60-0040-00	8035N-6	6.55
60-0130-00	80C32	3.25
60-0055-00	8T28	5.55
60-0505-00	93C46	2.45
60-0508-00	AM-29F010-120PC	7.45
60-0043-00	AM9114	8.90
60-0094-00	CD4021BE	1.35
80-0297-00	CD4027	1.65
80-0295-00	CD4511BE	2.50
60-0093-00	H11A1	.82
60-0091-00	HC-18/U 10 Hz	4.20
60-0090-00	ICL8211	19.90
60-0125-00	ILD-2	3.60
60-0124-00	ILQ-1	6.00
60-0123-00	ILQ-2	6.00
60-0474-00	LA7836	5.81
60-0073-00	LM317T	2.75
60-0046-00	LM324	1.75
60-0048-00	LM3302	1.75
60-0057-00	LM339	1.65
60-0049-00	LM340T-5	2.00
60-0110-00	LM3900N	3.50
60-0047-00	LM393	1.40
60-0109-00	MAD1108P	4.30
60-0062-00	MC14011	2.40
60-0063-00	MC14020	2.85
60-0084-00	MC14584BCD	4.00
60-0127-00	MC14584BCP	.93
60-0061-00	MC1458CPI	4.80
60-0116-00	MC68681	16.75
60-0056-00	MOC3010	.92
60-0060-00	MOC3031	1.90
80-0291-00	MPTE12	4.05
60-0052-00	NE555	1.65
60-0053-00	NE556	1.10
60-0041-00	QSD733	1.35
60-0112-00	TDA2002	3.40
60-0097-00	TLC372CP	1.95
60-0054-00	ULN2002	2.00
60-0059-00	ULN2068B	6.05

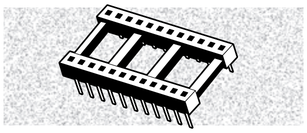
HAPP CONTROLS LOCK DEPARTMENT

Happ Controls now has it's own lock assembly department. We offer fast turn around on 7-pin tumbler locks. Most custom lock orders can be shipped within 48 hours. Happ locks can be keyed to your existing 7-pin tumbler key, if we receive a sample key with your order. Our 7-pin tumbler locks offer high security at a reasonable price. For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company.



INTEGRATED CIRCUIT SOCKETS

- Low profile

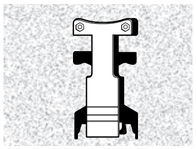


Part Number		Price per ea.
61-0006-00	6 Pin	.46
43-0926-00	8 Pin	.53
61-0014-00	14 Pin	.65
61-0016-00	16 Pin	.61
61-0018-00	18 Pin	.79
61-0020-00	20 Pin	.85

Part Number		Price per ea.
61-0022-00	22 Pin	.97
61-0024-00	24 Pin	1.05
61-0028-00	28 Pin	1.25
61-0029-00	32 Pin	1.25
43-0927-00	40 Pin	2.65

40 PIN GROUNDED DIP EXTRACTOR

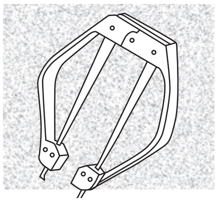
- Instant and accurate extraction
- Simply place the tool on the socket and depress the plunger
- Conductive finish with ground strap connection point



Part Number		Price per ea.
92-0253-00	40 Pin Grounded Dip Extractor	21.30

UNIVERSAL PLCC EXTRACTION TOOL

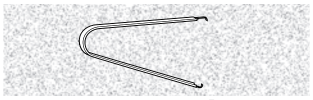
- Extracts a range of PLCC sizes from 18 pins through 124 pins from any socket without damage to the chip
- Ideal for removal of Eproms for Mars & CashCode bill validators
- Spring loaded one-hand design requires no pulling
- Simply insert into socket, squeeze handles and chip is lifted from the socket
- ABS handles and stamped steel for reliability



Part Number		Price per ea.
92-0267-00	Universal PLCC Extraction Tool	15.45

I.C. EXTRACTION TOOL

- Used to safely lift up I.C.'s for replacement

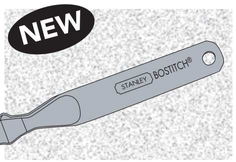


Part Number		Price per ea.
92-0022-00	I.C. Extraction Tool	5.00

EPROM REMOVER

NEW

- Bostitch G2K staple remover easily removes EPROMs
- Attractive chrome finish
- Size: 8-1/2" H x 3/4" L x 1-3/4" W

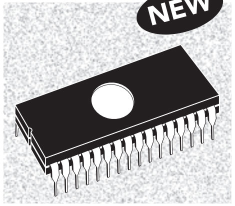


Part Number		Price per ea.
92-1567-00	EPROM Remover	3.15

4 MEG BLANK CERAMIC EPROM

NEW

- Quality ST Microelectronics brand
- 80 nanosecond programmable EPROM
- 4 Mbit (512Kb x 8)
- M27C4001-80XF1 UV erasable
- Stock up today so you are ready forthe Next Gen currency updates
- Shipped in anti-static tubes
- **New** factory sealed blank EPROM for use in JCM WBA-13 and WBA-23 bill validators
- Also used in JCM DBV-200 heads: B1, A3 and B5
- Sold in lots of 12, min order 12



Part Number		Price per ea.
60-0256-00	4 Meg Blank ceramic EPROM	4.95

GANGPRO-848 48-PIN GANG PROGRAMMER

NEW

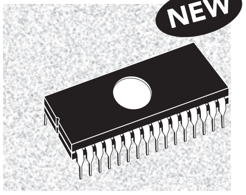
- Programs 8 Devices pin-to-pin on the same DIP sockets
- Fast Production Programming of Flash memory
- Concurrent Programming! Read and verify all 8 devices at the same time!
- Universal Gang also supports Micro controllers and Logic
- Supports MS Windows 95/98/Me/2000/XPTM devices
- 4000+ Devices supported and growing
- Concurrent Programming,simultaneous read or write!
- PC Software runs on Win 9X/ME/2000/NT/XPTM
- Auto Run mode starts programming automatically upon detection of chip insertion
- Gang E/EPROM, Flash, Micros, EPLDs, CPLDs
- Supports down to 1.8 Volt parts
- Each Socket is 48 Pin independent
- Ultra High programming speed programs 28F8000 in less than 12 seconds
- Stand alone or remote operation
- Device Insertion and Pin Contact Check
- Software updates via internet, Free one year support
- Power: Input 110VAC-240VAC
  Cable to PC: DB-25
- Size: 530x 310x 210 mm (1 inch=25.4 mm)
  Weight: 6Kg (1Kg = 2.5 lb)
- One Year Warranty

Part Number		Price per ea.
92-1387-00	GangPro-848 Gang Programmer	3995.00

512K BLANK CERAMIC EPROM

NEW

- **New** factory sealed blank EPROM for use in JCM DBV-145 and DBV-45 bill validators
- Quality STMicroelectronics brand
- 90 nanosecond programmable EPROM
- 512 Kbit (64Kb x 8)
- M27C512-90F1 UV erasable
- Stock up today so you are ready for the Next Gen currency updates
- Shipped in anti-static tubes
- Sold in lots of 13, min order 13

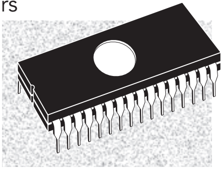


Part Number		Price per ea.
60-0257-00	512K Blank Ceramic EPROM	1.75

1 MEG BLANK CERAMIC EPROM

NEW

- **New** factory sealed blank EPROM for use in JCM WBA-11 and WBA-21 bill validators
- Quality STMicroelectronics brand
- 70 nanosecond programmable EPROM
- 1Mbit (128Kb x 8)
- M27C1001-70F1 UV erasable
- Stock up today so you are ready for the Next Gen currency updates
- Shipped in anti-static tubes
- Sold in lots of 12, min order 12



Part Number		Price per ea.
60-0258-00	1 Meg Blank Ceramic EPROM	2.20

PROFESSIONAL ELECTRONIC TOOL KIT

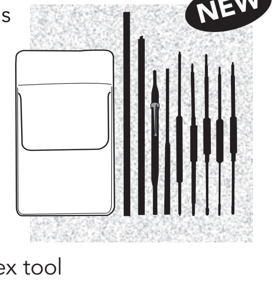
NEW

Kit Includes:
13 Assorted screwdrivers, 6 Assorted precision screwdrivers, Brush, Mini-drill set, Utility knife, IC extractor, Vice, Electrical tape, Flashlight, Anti-static strap, Soldering iron & stand, Assorted pliers, Digital multimeter, Solder , 6" stainless scissors, Folding hex wrench, 8" lineman's pliers, 6" tweezers, Mini-vacuum cleaner, Desoldering pump, 6" adjustable wrench, All-in-one crimper, Voltage test screwdriver, Components box, 5 pc. file set, Removable pallets, 10 pc. mini-wrench set, Tool carrying case

Part Number		Price per ea.
92-0345-00	Professional Electronic Tool Kit	249.99

ANTI-STATIC PRECISION TOOL KIT

NEW

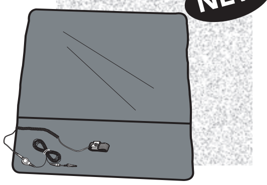


- Contains all 9 anti-static alignment tools
- Wide range of tip styles and sizes for adjusting or aligning any conventional component
- Includes pocket storage case
- Kit includes adjustment driver, combination aligner, duplex aligner, small hex/driver, hex/tip tool, mini-potentiometer/trimmer, double-ended hex, 3-in-1 hex core tool and square/hex tool

Part Number		Price per ea.
92-0562-00	Anti-Static Precision Tool Kit	11.70

ESD FIELD SERVICE KIT

NEW



- Compact and easily transportable
- Folds to 8-1/2" for travel
- 26" X 24" conductive mat with pocket along bottom
- 6 ft. ESD strap
- 10 ft. cord to ground

Part Number		Price per ea.
92-0888-00	ESD Field Service Kit	39.95

ZERO CHARGE® SCREEN & KEYBOARD CLEANER

NEW

- Eliminates static charge from sensitive surfaces and provides long-term static protection
- For optical clarity and distortion free reading
- Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon and other soils
- Safe on plastic, ceramics, glass, metal and elastomers
- Non-streaking
- Non-ozone depleting
- 50 pre-saturated packets per box; 10 boxes per case
- Sold in boxes of 50

TECHSPRAY™

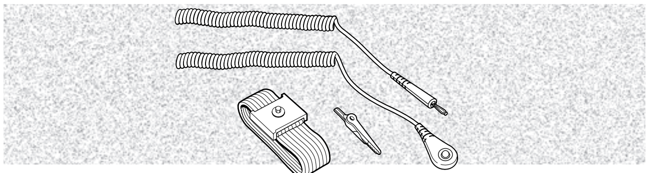
Part Number		Price per box
29-0059-00	Zero Charge® Screen & Keyboard Cleaner	18.75

STATIC SHIELD BAGS

- Prevents incoming static charges from damaging ESD sensitive products
- Metal "Faraday" Cage layer protects products from electric energy inside and prevents static build-up
- Meets requirements of MIL-B-81705 Rev. C, Type III and EIA Standard 541
- Minimum order 10

Part Number		Inside W x L	Price per ea.
39-0810-AS	Static Shield Bag	8" x 10"	1.65

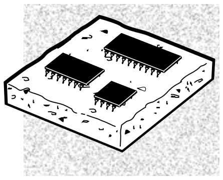
PROFESSIONAL ADJUSTABLE WRIST STRAP KIT



- Static protection helps eliminate damage to electronic devices
- Elastic material-extra wide and soft for comfort and has silver impregnated nylon knitted on inside for super conductivity
- Adjustable-Can be fitted to any size. Once adjusted and locked, the material will not slip
- Adjustable design eliminates exposed conductive "tail"
- Stainless steel stud
- No sloughing-safe for micro electronics
- Non-allergenic stainless steel
- Kit includes: 10 ft. coil cord, 4MM snap stud and alligator clip

Part Number		Price per ea.
80-0308-00	Professional Adjustable Wrist Strap Kit	21.30

ANTI-STATIC FOAM

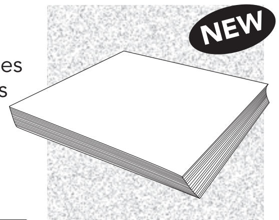


- Keep your electronic repair parts safe and handy.
- Protects delicate IC leads during shipping and storage.
- Protects against ESD "Static-Zap" damage
- Great for storing and transporting semiconductors
- Simply insert component into foam to keep leads from damage
- Pink anti-static foam squares 2" square X .25" thick
- Black anti-static foam sheets 36" x 30" x 5/16" Thick – use to line drawers

Part Number		Price per ea.
39-0059-00	Pink Anti-Static Foam Squares 2" Square x .25" Thick	.30
39-0059-10	Black Anti-Static Foam Sheets 36" x 30" x 5/16" Thick	50.95

TECHCLEAN® TWILLWIPE

NEW

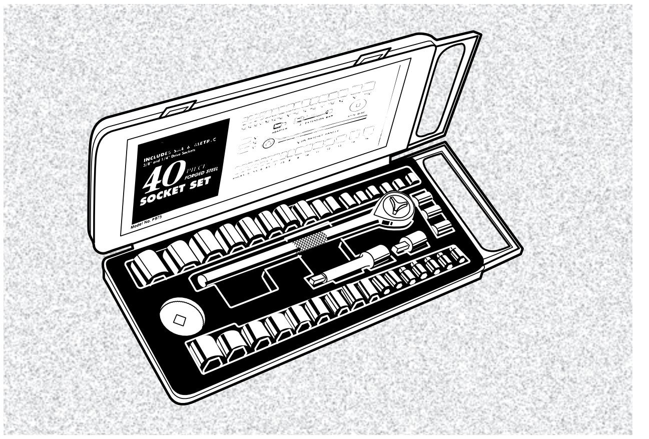


- Designed for wiping abrasive surfaces
- Tightly woven 100% cotton – enables it to be used in static sensitive areas
- Low triboelectric generation
- Non-existent chemical extractables
- Pure cleaning
- Low linting
- 6" X 6" flat wipes
- Sold per bag of 100 wipes

TECHSPRAY™

Part Number		Price per ea.
29-0211-00	TechClean® Twillwipe	17.35

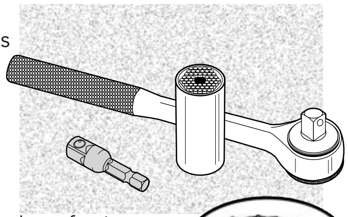
ECONOMY 40 PIECE METRIC AND S.A.E. SOCKET SET



- Set contains:
  3/8" drive ratchet
  3/8" drive 3" extension
  3/8" drive (F) to 1/4" drive (M) adapter
  3/8" drive ratchet spin disk
  3/8" drive sockets S.A.E. 5/8", 11/16"
  3/8" drive sockets metric 14, 16mm
  1/4" drive sockets S.A.E. 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16"
  1/4" drive 6 point sockets metric 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 9, 10, 11, 12, and 13mm
  1/4" drive 8 point sockets S.A.E. 1/4", 5/16", 3/8"

Part Number		Price per ea.
92-0109-00	Economy 40 Piece Metric and S.A.E. Socket Set	13.55

GATOR GRIP® UNIVERSAL SOCKET KIT



The amazing Gator Grip® makes half of your toolbox obsolete! This one socket fits fasteners of almost any shape. No longer waste time searching for socket after socket, when one socket can do the work of a whole set. The Gator Grip won't slip off nuts or strip them.

Save time and hassles, get the job done fast!

- As seen on TV
- Instantly fits over 1000 fasteners
- Always the right size socket
- One socket for both standard & metric
- Removes rusted & damaged nuts & bolts
- Unique round design won't damage fasteners
- Pins instantly adjust to grip any shape, no adjustments needed
- Even fits screw eyes, hooks, wing nuts and square nuts
- Superior grip, each hardened steel pin features it's own spring to provide a precision fit
- Save time and effort
- Made in USA
- 1 year manufacturer warranty

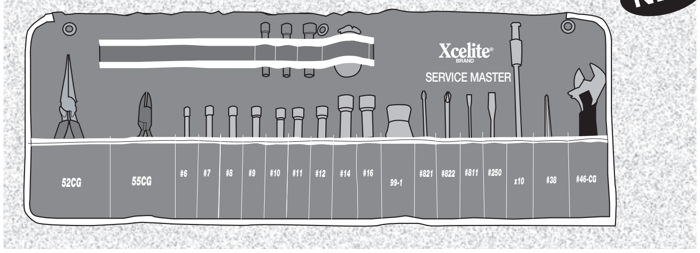
Kit Includes:

(1) Gator Grip® Universal Socket, Fits 1/4" - 3/8" & 7mm - 19mm
(1) 3/8" Drive Reversible Ratchet Wrench
(1) High Speed Drill Adapter

Part Number		Price per ea.
92-0305-00	Gator Grip Universal Socket Kit	19.99

XCELITE® SERIES 99® 23-PIECE ROLL KIT

NEW



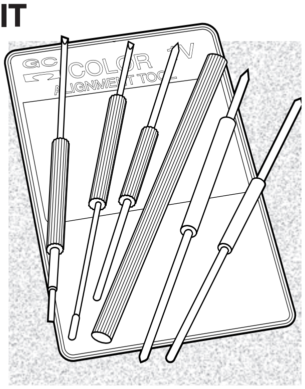
- Versatile 23-piece set of quality tools
- Provides a variety of quick change tools and tool combinations to speed up assembly and service work
- All Blades are high quality steel, hardened and tempered for optimum performance
- Plastic handles have patented spring device that holds blades firmly, yet permits quick, easy insertion and removal
- Regular handles accommodate all blades, single and reversible
- Stubby, Tee and Ratchet handles used only with single-end blades
- Xcelite Ref# SM99
- Durable roll-up plastic coated canvas case

Kit Includes:

(1) 5" Diagonal cushion grip pliers, (1) 6" Long nose cushion grip pliers, (1) 8" Cushion grip adjustable wrench, (1) Nut driver handle, (1) Stubby handle, (9) Nutdrivers, (3) Stubby nutdrivers, (2) Phillips screwdrivers, (2) Slotted screwdrivers, (1) Reamer, (1) Extension tool

Part Number		Price per ea.
92-1009-00	Xcelite® Series 99® 23-Piece Roll Kit	200.60

UNIVERSAL COLOR TV ALIGNMENT TOOL KIT



- 5 different alignment tools for all standard adjustments
- All tools are made of Delrin in various colors for easy identification
- Included is the "Extend-it" to make long reach alignors out of each tool
- Kit contains 1 each:
  "Extend-it" shaft extension
  Zenith alignment tool
  5" hex wrench
  Hex iron core tool
  Hex core tool
  Double end tool

Part Number		Price per ea.
92-0196-00	Universal Color TV Alignment Tool Kit	8.55

MINI HEAT GUN WITH SHRINK TUBING KIT

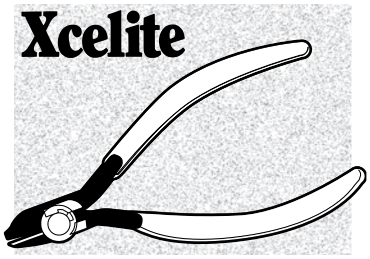
NEW

- Compact and lightweight
- Nozzle temperature to 1000°F
- Uses standard 110v AC outlet
- 6 ft. electrical cord with workbench storage loop
- 60 piece assortment of heat shrink tubing; includes sizes 1/8", 3/16", 1/4", 3/8", and 1/2"

Part Number		Price per ea.
92-0573-00	Mini Heat Gun With Shrink Tubing Kit	42.45

4" DIAGONAL PLIERS

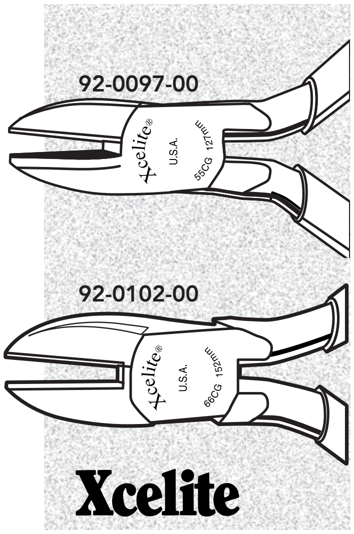
- For work in close quarters
- Standard beveled edges
- Forged alloy steel construction
- Red plastic-coated cushion grip
- 4" overall length
- Ref. No. 54CGV



Part Number		Price per ea.
92-0096-00	4" Diagonal Pliers	22.82

ALL PURPOSE CUTTING PLIERS

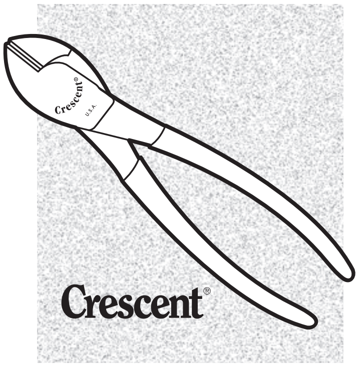
- Standard beveled edges
- Forged alloy steel construction, precision machining and scientific proportioning
- Exceptional strength and performance
- Red plastic-coated cushion grip provides maximum leverage
- Available in 5" or 6" length



Part Number		Ref. No.	Price per ea.
92-0097-00	5" All Purpose Cutting Pliers	55CGV	22.60
92-0102-00	6" All Purpose Cutting Pliers	66CGV	23.12

DIAGONAL CUTTING PLIERS

- Designed for heavy-duty wire cutting
- Electronically induction hardened and hand-honed cutting edges
- Made of forged alloy tool steel
- Individually tested for strength and cutting ability
- Polished head
- 7" overall length
- Ref. No. 542-7CV



Part Number		Price per ea.
92-0103-00	Crescent Diagonal Cutting Pliers	22.14

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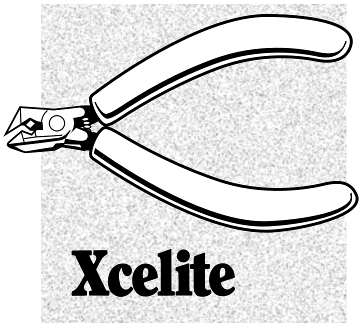
ANGLED HEAD CUTTING PLIERS

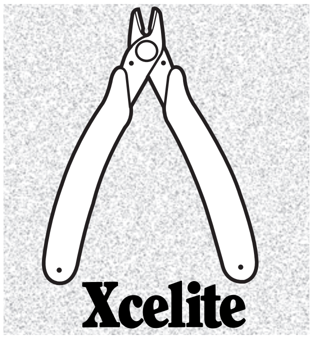
- For snap cutting 20 gauge and smaller soft copper wire
- Flush edges, polished oval joint
- Back of pliers is angled at 30 degrees for cutting in difficult areas
- 4" overall length
- Ref. No. GA54J



Part Number		Price per ea.
92-0081-00	Angled Head Cutting Pliers	37.79

ELECTRONIC SHEAR

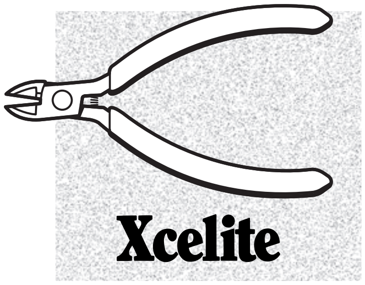
- Low profile, general purpose cutter
- Superior blade by-pass shear cutting action
- Better cuts with half the effort
- Greatly reduced mechanical shock delivered to the work
- Light blue grips
- 5" overall length
- Ref. No. 170M



Part Number		Price per ea.
92-0087-00	Electronic Shear	7.49

SLIM LINE TAPERED HEAD CUTTER

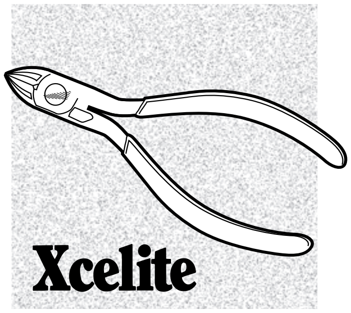
- Slim line tapered head
- Diagonal cutting pliers
- Flush cutting
- Blue puffy grips
- 4" overall length
- Ref. No. MS54-5J



Part Number		Price per ea.
92-0121-00	Slim Line Tapered Head Cutter	23.68

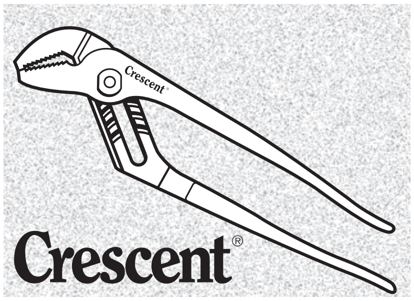
DIAGONAL PLIERS

- For semi-flush tip cutting of fine wires
- Great for use in close quarters
- Exceptional strength and performance
- Red plastic-coated cushion grip
- 4" overall length
- Ref. No. 64CGV



Part Number		Price per ea.
92-0101-00	Diagonal Pliers	28.90

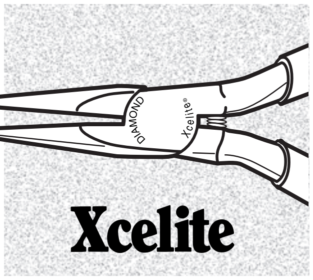
CRESCENT TONGUE & GROOVE PLIERS



- Made from finest quality tool steel
- Designed to grip all shapes
- Straight jaws and self-locking jaw adjustment
- Forged, hardened and tempered
- Red non-slip cushion handle grips
- Precision-milled ribs assure smooth, positive interlock between two halves with no chance of halves separating or jumping out of grooves
- Crescent Ref # R27CV - 7”

Part Number		Price per ea.
92-1012-00	Crescent 7” Tongue & Groove Pliers	14.95

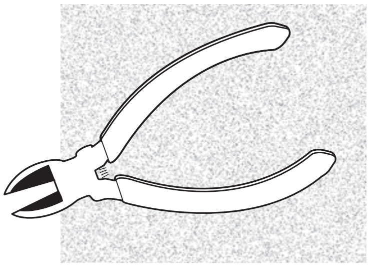
SUBMINIATURE NEEDLE NOSE PLIERS



- Positive gripping of fine wire or subminiature components
- Serrated jaws
- Fine point allows use in confined areas
- Green cushion grips
- 4" overall length
- Ref. No. L4-V

Part Number		Price per ea.
92-0089-00	Subminiature Needle Nose Pliers	17.38

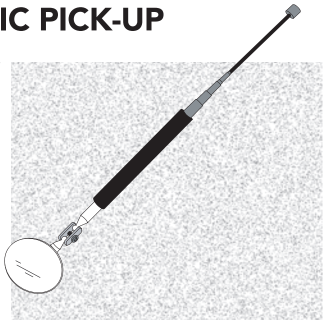
5” NARROW DIAGONAL CUTTING PLIERS



- Narrow jaws work easily in confined areas
- Great for cutting cable ties on money bags
- Useful for all general purpose electric and electronic work
- Induction hardened cutting edges
- Overall length: 5”

Part Number		Price per ea.
92-0336-00	5” Narrow Diagonal Cutting Pliers	5.20

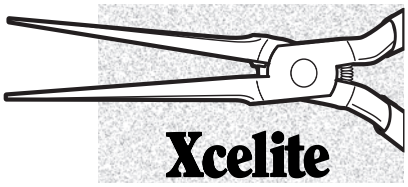
TELESCOPING MIRROR WITH MAGNETIC PICK-UP



- 1.25” round mirror is Ideal for seeing in difficult places
- Swivel connection allows mirror to be angled just right
- 1 lb. Pull magnet picks up dropped parts
- Magnet end extends to 27.25”; closes to 5.25”
- Color: chrome with red vinyl handle

Part Number		Price per ea.
92-0350-00	Telescoping Mirror with Magnetic Pick-Up	7.25

LONG NOSE NEEDLE NOSE PLIERS



- Extra long nose
- Allow entry to hard to reach areas
- 6" overall length
- Ref. No. NN7776

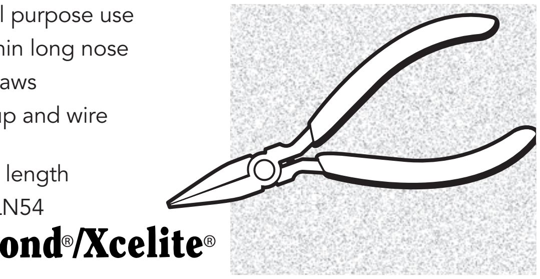
Part Number		Price per ea.
92-0098-00	Long Nose Needle Nose Pliers	22.76

LONG NOSE PLIERS WITH SIDE CUTTERS

- For firm gripping and looping of wire
- Side cutters for cutting 20 gauge soft copper wire
- Serrated jaw
- Forged alloy steel construction
- Available with or without side cutters
- Red plastic-coated cushion grip
- 6" overall length
- Ref. No. 51CGV

Part Number		Price per ea.
92-0208-00	Long Nose Pliers with Side Cutters	23.48

DIAGONAL LONG NEEDLE NOSE PLIERS



For general purpose use

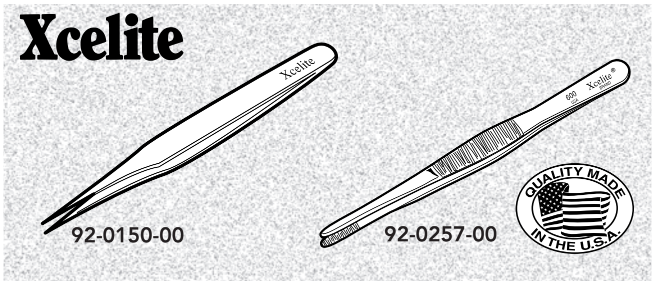
- 1-3/16" thin long nose
- Serrated jaws
- For pick-up and wire forming
- 5" overall length
- Ref. No. LN54

Diamond®/Xcelite®

Part Number		Price per ea.
92-0105-00	Diagonal Long Needle Nose Pliers	19.10

TWEEZERS

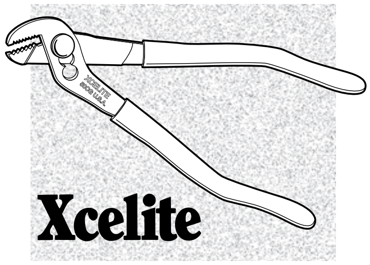
- Premium stainless steel tweezers
- Precision quality-made in the USA
- Made from anti-magnetic, anti-acid stainless steel
- For electronic and fine assembly work



Part Number			Price per ea.
92-0150-00	Ref. No. XSST-4	Fine Taper Point Tweezers	13.16
92-0257-00	Ref. No. XHT-600	General Duty Tweezers-Round Point	5.52

MIDGET SLIP JOINT PLIERS

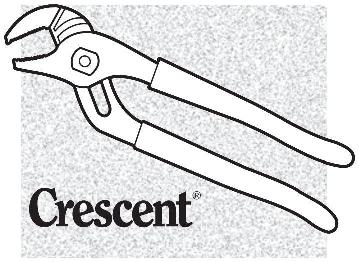
- Miniature pliers with narrow jaws
- 3-jaw opening adjustment to 1/2"
- Red plastic-coated cushion grip
- 5" overall length
- Ref. No. 50CGV



Part Number		Price per ea.
92-0093-00	Midget Slip Joint Pliers	19.00

10" STRAIGHT JAW PLIERS

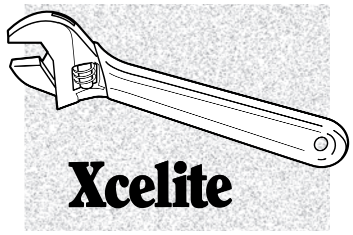
- Straight jaws and self-locking jaw adjustment
- Forged, hardened and tempered
- Red non-slip cushion handle grips
- Maximum opening 1-1/2"
- 10" overall length
- Crescent #R210C



Part Number		Price per ea.
92-0099-00	10" Straight Jaw Pliers	19.12

ADJUSTABLE WRENCH

- Rugged construction
- Quick, one-hand adjustment
- Chrome plated, polished heads
- Red cushion grip handle



Part Number		Ref. No.	Price per ea.
92-0092-00	6" Adjustable Wrench	46CGV	22.14
92-0311-00	4" Adjustable Wrench	44CGV	21.34

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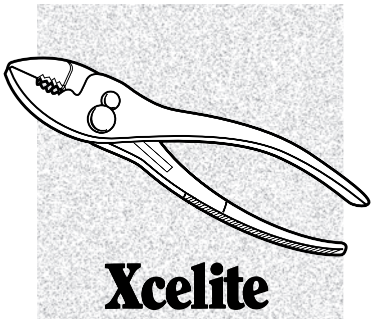
COMBINATION SLIP JOINT PLIERS

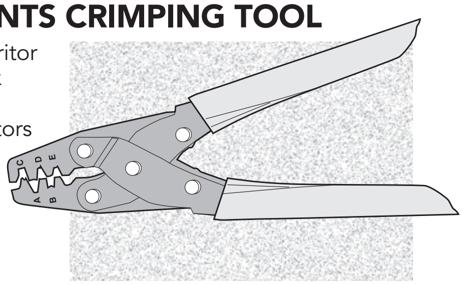
- For general and heavy-duty use
- Angled serrated teeth in jaws
- Forged alloy steel construction
- Chrome plated
- 6" overall length
- Ref. No. 76CV



Part Number		Price per ea.
92-0104-00	Xcelite Combination Slip Joint Pliers	11.24

SARGEANTS CRIMPING TOOL

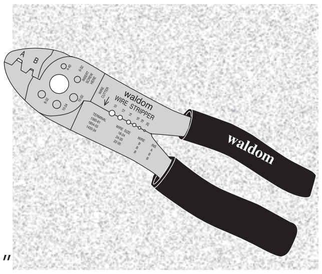
- For crimping comparitor JST terminals, Molex pins and .100 & .156 center edge connectors
- Ref. No. 1028CT



Part Number		Price per ea.
92-0032-00	Crimping Tool	33.99

CRIMPING/WIRE STRIPPER/BOLT CUTTING HAND TOOL

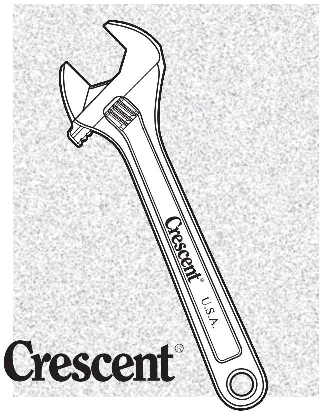
- Ideal for prototype work, small production volumes and repair jobs
- Clean cutting wire cutter
- Wire Stripper for 10,12, 14, 16, 18, and 20 gauge wire
- Bolt Cutter for 8-32, 10-24, 10-32, 6-32, and 4-40 threads
- Crimping tool for .062" & .093" pins (terminals)



Part Number		Price per ea.
11-03-0004	Handling Crimping/Wire Stripper	20.90

HEAVY DUTY ADJUSTABLE WRENCH

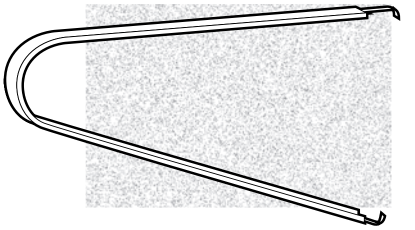
- World famous Crescent brand
- For professional or industrial use
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Chrome plated finish resists rust and corrosion
- Polished head and red non-slip cushion grip



Part Number		Ref.	Price per ea.
92-0168-00	12" Heavy Duty Adjustable Wrench	AC112C	41.00
92-0164-00	4" Heavy Duty Adjustable Wrench	AC14CV	21.28

I.C. EXTRACTION TOOL

- For easy removal of integrated circuits



Part Number		Price per ea.
92-0022-00	I.C. Extraction Tool	5.00

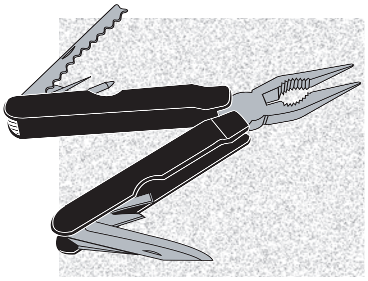
8" CRIMPING TOOL/WIRE STRIPPER/ BOLT CUTTER

- Crimps 22-18, 16-14, & 12-10 AWG terminals and connectors
- Color-coded crimp teeth for fast and accurate crimping
- AWG numbered wire stripper for 10, 12, 14, 16, 18, & 20-22 gauge wire
- Bolt cutter for 8-32, 10-24, 10-32, 6-32, & 4-40 threads
- An affordable, 4-way crimping/stripping tool
- Length: 8"

Part Number		Price per ea.
92-0274-00	8" Crimping Tool	6.90

COMPACT MULTIPURPOSE PLIERS

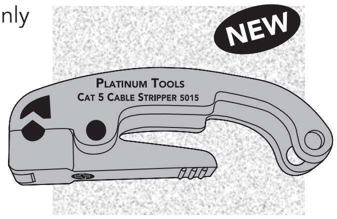
- Contains: pliers, cutter, screwdriver, saw, etc
- Heavy duty at a value price
- Comes with a carrying bag
- Length: 3.94"
- Weight: 162 grams
- Velleman ref. no. VTMPPLC



Part Number		Price per ea.
92-0356-00	Compact Multipurpose Pliers	10.65

CAT 5 CABLE JACKET STRIPPER

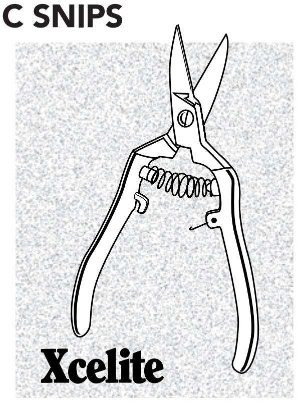
- Designed for Cat 5/5E cables only
- Will not knick inner conductors
- Long life blade
- Durable high impact plastic housing
- Easy to use, no adjustments necessary
- Molded from yellow plastic to make it easier to find. No more lost tools!
- Length: 3.5", weight: 23 grams



Part Number		Price per ea.
92-0613-00	Cat 5 Cable Jacket Stripper	12.70

ELECTRONIC SNIPS

- Shearing action of 1-1/2/38mm cut pointed blades prevents peaks on fine wires and filaments
- Useful for removing insulation and cutting light sheet metal
- Coil spring opens blades
- Safety latch
- Red plastic-coated cushion grip
- 6-1/2" overall length
- Ref. No. 86CGV



Part Number		Price per ea.
92-0108-00	Electronic Snips	31.78

INDUSTRIAL SHEARS

- Made of high carbon steel
- Hot drop forged nickel-plated blades
- Black handle
- 7-1/8" overall length
- Ref. No. 437

Part Number		Price per ea.
92-0230-00	Industrial Shear	29.76

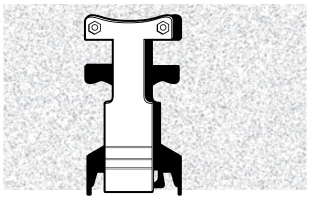
SEIZERS

- Versatile tool with unusual holding qualities
- Clamps firmly to hold wires for soldering
- Acts as a heat sink and retrieves small parts from hard-to-reach places
- Precision-machined from perfectly tempered stainless steel
- Box-joint construction
- 3-position snap lock
- Serrated jaws
- 6" long

Part Number			Price per ea.
92-0090-00	Ref. No. 42HV	Straight Nose Seizer	8.56
92-0091-00	Ref. No. 43HV	Curved Nose Seizer	8.56

40 PIN GROUNDED DIP EXTRACTOR

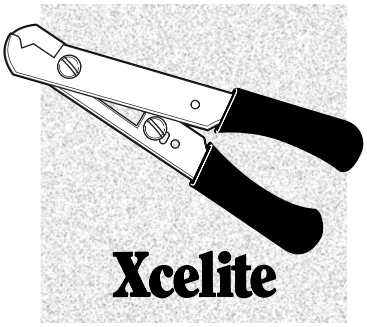
- Instant and accurate extraction
- Simply place the tool on the socket and depress the plunger
- Conductive finish with ground strap connection point



Part Number		Price per ea.
92-0253-00	40 Pin Grounded Dip Extractor	21.30

WIRE STRIPPER & CUTTER

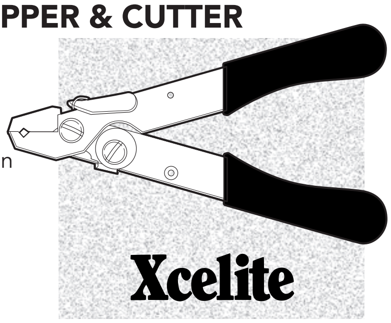
- Cuts and strips both solid and stranded wire
- Adjustable screw stop for different wire sizes
- Hardened with ground blades
- Red plastic-coated cushion grip
- 5" overall length
- Ref. No. 100X



Part Number		Price per ea.
92-0086-00	Wire Stripper & Cutter	8.80

WIRE STRIPPER & CUTTER

- Unique cam stop adjustment for different wire sizes, stays put even with screw loose
- Red plastic-coated cushion grip
- 5-1/4" overall length
- Ref. No. 103-SV



Part Number		Price per ea.
92-0084-00	Wire Stripper & Cutter	13.72

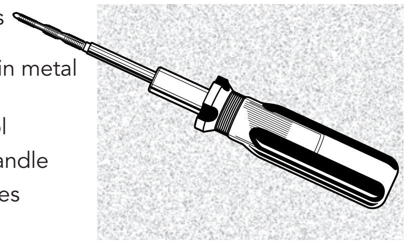
ELECTRICAL PLIERS

- Wire cutting and stripping edges located in front of pivot for use in tight places
- Needle nose pliers add wire pulling and bending capabilities
- Scissors-action stripper insulated for cleaner, faster, more accurate stripping
- Serrated edge
- Red cushion grip handle
- 6" overall length
- Ref. No. 105CGV

Part Number		Price per ea.
92-0082-00	Electrical Pliers	16.16

3-IN-1 TAP TOOL

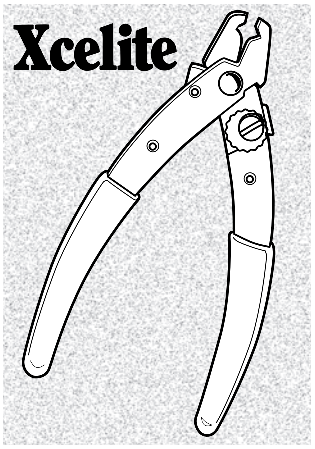
- Cuts or cleans threads in electrical boxes, lighting fixtures, all thin metal and plastics
- Three sizes in one tool
- Sturdy comfortable handle
- Replaceable tap blades available



Part Number		Price per ea.
92-0024-00	3-In-1 Tap Tool	13.50

DELUXE WIRE STRIPPER & CUTTER

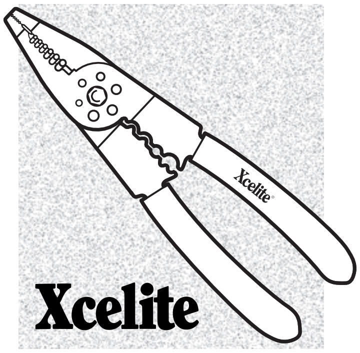
- Features new shape which fits the hand easily and more comfortably
- Hardened steel
- All cutting surfaces are made to ensure perfect shearing action every time
- Adjustable cam allows tool to be set to fit all commonly used insulated wires
- Smooth working safety lock
- Red plastic-coated cushion lock
- 5-1/2" overall length
- Ref. No. 102-SV



Part Number		Price per ea.
92-0085-00	Deluxe Wire Stripper & Cutter	14.12

WIRE STRIPPER & CUTTER

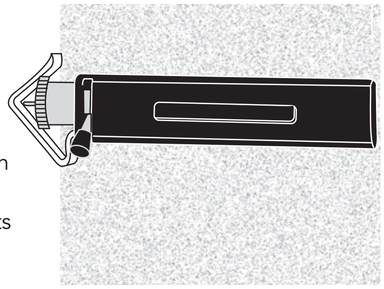
- For all types and sizes of wire
- Wide size-range bolt cutter
- Scissors-action, up-front wire cutting and wire stripping
- Hardened pivot joint bushing and crimp stations
- Red cushion grip handle
- 8-1/4" overall length
- Ref. No. 104CGV



Part Number		Price per ea.
92-0083-00	Wire Stripper And Cutter	33.70

ROUND CABLE SLITTER/STRIPPER

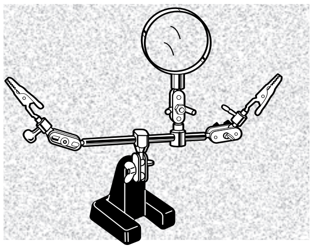
- Slits/strips round cables
- Use on Coax or Cat 5 cables
- Range: 0.18" – 1.0" diameter
- Adjustable cutting depth
- Blade swivels for longitudinal or spiral cuts



Part Number		Price per ea.
92-0352-00	Round Cable Slitter/Stripper	29.95
92-0351-00	Replacement Blade	6.95

THIRD HAND WITH MAGNIFIER

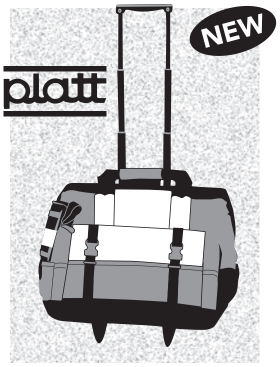
- Magnifying glass for close work
- Works at any angle
- When two hands are not enough
- Diopter 2.5
- Size: 4.9" x 2.2" x 7.7"



Part Number		Price per ea.
92-0042-00	Third Hand with Magnifier	10.60

42 POCKET-18” SIDEGLIDE™ ROLLER BAG

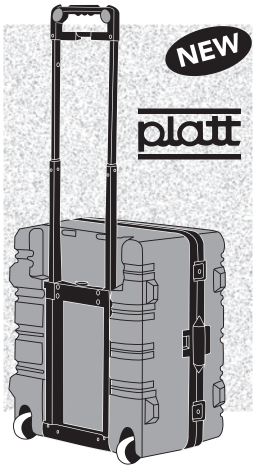
- 32 Pockets inside and 10 outside, help organize tools and accessories
- 13-1/2” x 9” multi-compartment plastic tray organizes small parts
- Telescoping handle extends for fast transport on large, easy-roll wheels
- Made with durable 600 Denier nylon
- Reinforced interior bottom panel
- Heavy duty stitching
- Bar-tacking at stress points
- 18” L x 10” W x 14” H



Part Number		Price per ea.
92-0365-00	42 Pocket 18”Sideglide™ Roller Bag	99.99

PLATT SUPER-SIZE™ TOOL CASE WITH WHEELS AND TELESCOPING HANDLE

- High-tech rugged ribbed case in a larger size
- Black valance with all black hardware, combination lock, cast key locks
- Full-length piano hinge, stitched vinyl steel-core handle
- Ball-bearing wheels
- Telescoping handle
- Comes standard with SG and SH super-size pallets
- Manufactured by Platt, Ref # 369THY-SGSH
- Color: Yellow
- Inside Dimensions: 17-1/2” L x 14-5/8” W x 9” D
- Tools not included



Part Number		Price per ea.
92-1329-00	Platt Super-Size Tool Case	256.42

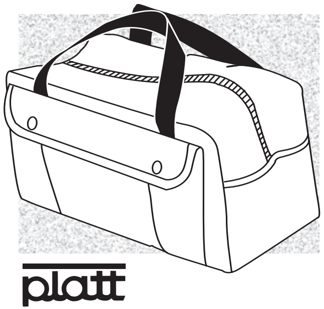
PROFESSIONAL ELECTRONIC TOOL KIT

- 13 Assorted screwdrivers
- 6 Assorted precision screwdrivers
- Brush
- Mini-drill set
- Utility knife
- IC extractor
- Vice
- Electrical tape
- Flashlight
- Anti-static strap
- Soldering iron & stand
- Assorted pliers
- Digital multimeter
- Solder
- 6” stainless scissors
- Folding hex wrench
- 8” lineman’s pliers
- 6” tweezers
- Mini-vacuum cleaner
- Desoldering pump
- 6” adjustable wrench
- All-in-one crimper
- Voltage test screwdriver
- Components box
- 5 pc. file set
- Removable pallets
- 10 pc. mini-wrench set
- Tool carrying case

Part Number		Price per ea.
92-0345-00	Professional Electronic Tool Kit	249.99

PLATT MECHANICS TOOL BAG

- Black Cordura fabric
- Water-repellent and very durable
- 8 sewn-in pockets on the inside and 2 snap pouches on the outside
- Compact utility bag will keep your tools and parts organized
- 12” L x 6” W x 6-1/2” D



Part Number		Price per ea.
92-0348-00	Platt Mechanics Tool Bag	29.99

PLATT 6” DELUXE POLYPROPYLENE TOOL CASE

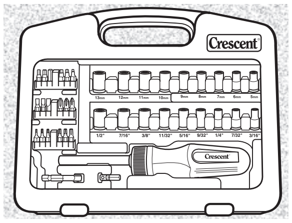
- Injection molded polyethylene shell
- Extruded aluminum frame with black trim
- Golf grip handle
- Cast chrome key locks and full length piano hinge
- Interior has two molded pallets and deluxe literature pocket
- 18” L x 13” W x 6” D
- Made in USA

QUALITY MADE IN THE U.S.A.
platt

Part Number		Price per ea.
92-800T-CB	Tool Case	149.99

39 PIECE DURA-DRIVER RATCHET DRIVER MECHANICS KIT

- Hidden interchangeable bit storage keeps bits handy and secure
- 3 position High Torque Ratchet
- No slip grip stops slippage for higher torque
- S2 Industrial Steel bits resist wear and breakage
- Chrome Vanadium socket with true fit hex design, prevent rounding and stripping of nuts and bolts
- Ergonomic handle
- Crescent ref. no. SDMBR1

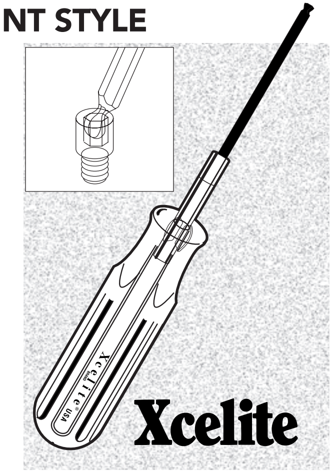


Crescent®

Kit Contains:
Dura-Driver Ratchet Screwdriver with 3 positions
9 Fractional sockets: 3/16”, 7/32”, 1/4”, 9/32”, 5/16”, 11/32”, 3/8”, 7/16”, 1/2”
9 Metric Sockets: 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm,
18 Screwdriver Bits: #1 Phillips, #2 Phillips, #3 Phillips, 3/16” Slotted, 5/32” Slotted, 1/4” Slotted, #1 Square Recess, #2 Square Recess, #3 Square Recess, #10 Torx, #15 Torx, #20 Torx, #25 Torx, #30 Torx, #40 Torx, 5/32” Hex, 3/16” Hex, 1/4” Hex 2 Socket Adapters: 1”, 2”

Part Number		Price per ea.
92-0358-00	39 Piece Dura-Driver Ratchet Driver Mechanics Kit	31.96

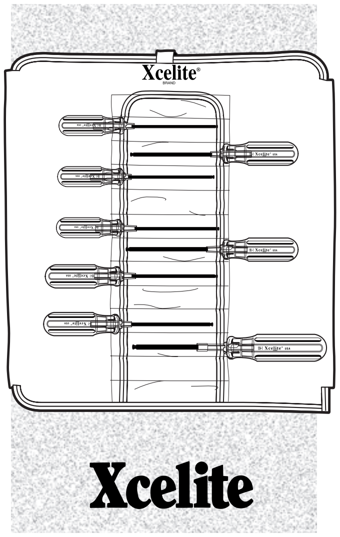
ALLEN HEX SOCKET DRIVERS-BALLPOINT STYLE



- For tightening and removing Allen type socket head screws
- Great for out-of-reach places or merely when wanting an easier, quicker way to drive them home
- Unique "ballpoint" tip will engage screw head from any angle
- Slips easily into sockets and holds securely without reaming, because ends are precision-machined to close tolerances
- Amber handles

Part Number	Ref. No.	Hex Size	Shaft Length	Overall Length	Price per ea.
92-0141-00	LN-20BP	.050"	4"	6-5/8"	9.00
92-0140-00	LN-21BP	1/16"	4"	6-5/8"	9.00
92-0137-00	LN-22BP	5/64"	4"	6-5/8"	9.00
92-0139-00	LN-23BP	3/32"	4"	7-1/8"	9.00
92-0153-00	LN-764BP	7/64"	4"	7-1/8"	9.08
92-0319-00	LN-24BP	1/8"	4"	7-1/8"	9.44
92-0075-00	LN-26BP	3/16"	4"	8-1/8"	9.44

S.A.E. ROLL-UP KIT-"BALLPOINT STYLE" FOR ALLEN HEX SOCKET DRIVERS



- Great for out-of-reach places or merely when wanting an easier, quicker way to drive them home
- Unique "ballpoint" tip will engage screw head from any angle
- Slips easily into sockets and holds securely without reaming, because ends are precision-machined to close tolerances
- Roll-up canvas case
- Amber handles
- Kit includes following sizes: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16"
- Ref. No. LN-9BP

Part Number		Price per ea.
92-0160-00	S.A.E. Roll-Up Kit-"Ballpoint Style"	80.28

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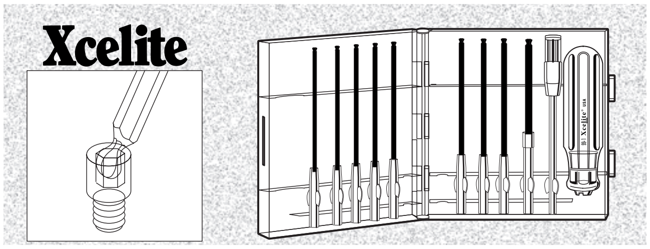
for NEW Product Updates!!

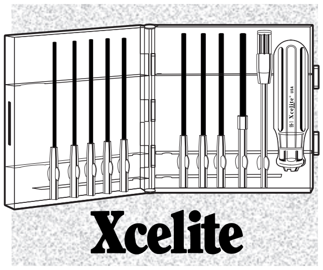
"BALLPOINT" ALLEN HEX SOCKET SCREWDRIVER SET



- Great for out-of-reach places or merely when wanting an easier, quicker way to drive them home
- Unique "ballpoint" tip will engage screw head from any angle
- 11-piece set in compact see through plastic case
- Ref. No. 99-PS-40BP
- Slips easily into sockets and holds securely without reaming, because ends are precision-machined to close tolerances
- Set includes handle, 4" extension and the following 4" long drivers: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64" 5/32", 3/16"

Part Number		Price per ea.
92-0180-00	"Ballpoint" Allen Hex Socket Type Screwdriver Set	79.02

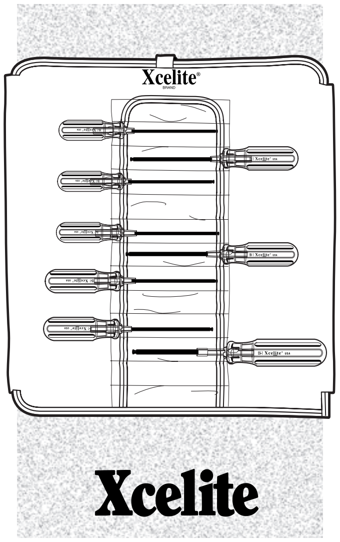
ALLEN HEX SOCKET TYPE SCREWDRIVER SET



- Inch sizes
- 11-piece set
- Clear plastic case
- Set includes handle, 4" extension and following 4" long drivers: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16"
- Ref. No. 99PS-40

Part Number		Price per ea.
92-0181-00	Allen Hex Socket Type Screwdriver Set	54.00

METRIC ROLL-UP KIT-"BALLPOINT STYLE" FOR ALLEN HEX SOCKET DRIVERS



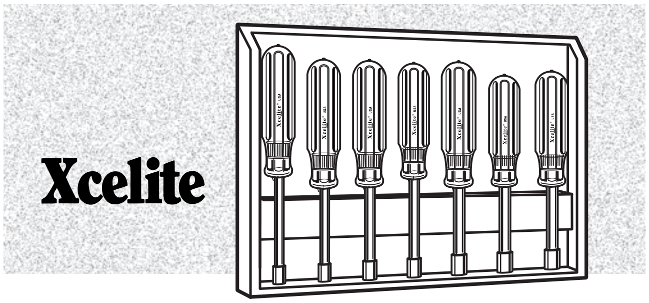
- Great for out-of-reach places or merely when wanting an easier, quicker way to drive them home
- Unique "ballpoint" tip will engage screw head from any angle
- Slips easily into sockets and holds securely without reaming, because ends are precision-machined to close tolerances
- Roll-up canvas case
- Amber handles
- Kit includes following sizes: 1.27mm, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm and 6mm
- Ref. No. LN-8MMBP

Part Number		Price per ea.
92-0161-00	Metric Roll-Up Kit-"Ballpoint Style"	80.30

7-PIECE NUTDRIVER SET

- Convenient blow molded case for wall mounting
- Color-coded handles
- 7-1/4" overall length
- Ref. No. 147TB
- Set includes:

Color	Hex Size
Red	1/4"
Orange	9/32"
Amber	5/16"
Green	11/32"
Blue	3/8"
Brown	7/16"
Red	1/2"

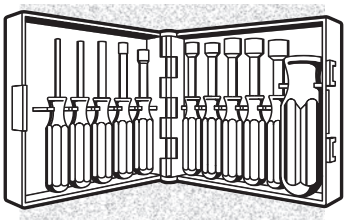


Part Number		Price per ea.
92-0077-00	7-Piece Nutdriver Set	50.94

11-PIECE NUTDRIVER SET

- Handles more jobs with fewer tools, saves bench space and lightens service kit
- Equipped with remarkable black, "piggyback" torque amplifier handle
- Set housed in attractive clear plastic case
- Color-coded handles
- Ref. No. PS-120 - Inches
- Ref. No. PS-121mm - Metric
- Set includes:

Color	Inch Size	Metric Size
Blue	3/32"	3mm
Red	1/8"	3.5mm
Amber	5/32"	4mm
Black	3/16"	4.5mm
Brown	7/32"	5mm
Red	1/4"	5.5mm
Orange	9/32"	6mm
Amber	5/16"	7mm
Green	11/32"	8mm
Blue	3/8"	10mm
Black	Torque Handle	Torque Handle



Xcelite

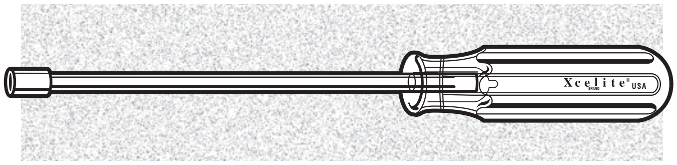
Part Number		Price per ea.
92-0078-00	Nutdriver Set - Inch Sizes	43.80
92-0280-00	Nutdriver Set - Metric	54.00
92-0354-00	Replacement Handle	3.95

METRIC "KEEP & CARRY" NUTDRIVER KIT

- 10 piece metric set
- Sturdy red plastic carrying case
- 7-1/4" overall length
- Contains sizes 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 10mm, 11mm, and 13mm
- Ref. No. 4-13MM

Part Number		Price per ea.
92-0209-00	Metric "Keep And Carry" Nutdriver Kit	74.88

NUTDRIVERS

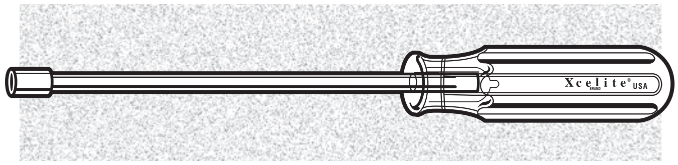


- Full hollow shaft

Xcelite

Part Number	Ref. No.	Color	Hex Size	Shaft Length	Overall Length	Price per ea.
92-0120-00	L-6	Black	3/16"	6"	9-1/8"	7.90
92-0119-00	L-8	Red	1/4"	6"	10-1/8"	7.90
92-0117-00	L-10	Amber	5/16"	6"	10-1/8"	7.90
92-0115-00	L-11	Green	11/32"	6"	10-1/8	8.59
92-0114-00	L-12	Blue	3/8"	6"	10-1/8"	8.58
92-0074-00	HS-6	Black	3/16"	3-1/8"	6-1/4"	6.38
92-0149-00	HS-7	Brown	7/32"	3-1/8"	6-1/4"	6.38
92-0210-00	HS-8	Red	1/4"	3-1/8"	7-1/4"	6.38
92-0148-00	HS-9	Orange	9/32"	3-1/8"	7-1/4"	6.38
92-0073-00	HS-10	Amber	5/16"	3-1/8"	7-1/4"	6.38
92-0147-00	HS-12	Blue	3/8"	3-1/8"	7-1/4"	6.76
92-0138-00	HS-14	Brown	7/16"	3-1/8"	7-1/4"	8.98
92-0133-00	HS-16	Red	1/2"	3-1/8"	7-1/4"	8.72

METRIC NUTDRIVERS



- Manufactured precisely to metric dimension
- Drilled shaft
- Black handles

Xcelite

Part Number	Ref. No.	Hex Size	Shaft Length	Overall Length	Price per ea.
92-0159-00	4MM	4mm	76mm	156mm	6.32
92-0157-00	5MM	5mm	76mm	156mm	6.32
92-0156-00	5.5MM	5.5mm	76mm	156mm	6.32
92-0155-00	6MM	6mm	76mm	156mm	6.88
92-0154-00	7MM	7mm	76mm	156mm	6.32
92-0188-00	10MM	10mm	73mm	178mm	7.72

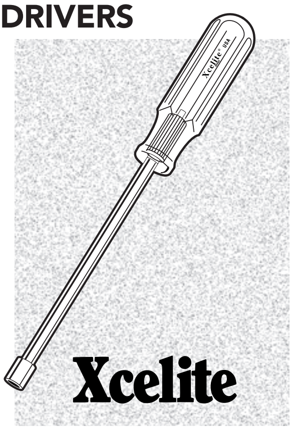
"KEEP & CARRY" NUTDRIVER KIT

- 10 piece inch size kit
- Sturdy yellow plastic carrying case
- 7-1/4" overall length
- Contains hollow shaft No's. HS6, HS7, HS8, HS9, HS10, HS11, HS12, HS14, HS16 and HS18
- Ref. No. HS6-18

Xcelite

Part Number		Price per ea.
92-0163-00	"Keep And Carry" Nutdriver Kit	72.74

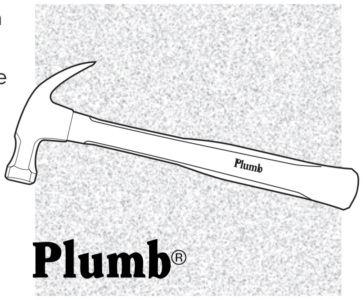
MAGNETIC NUTDRIVERS



- Ultimate in convenience for assembly and service involving hex operations
- Alnico permanent magnet inserted in socket holds fasteners firmly for easy, one-hand driving or for retrieving or removal
- Socket specially treated and hardened for use with self-tapping screws
- Unique Xcelite development effectively insulates magnet
- Comfortable handle provides adequate torque for one-hand driving
- Various lengths available

Part Number	Ref. No.	Hex Size	Blade Length	Color	Price per ea.
92-0118-00	L-8-M	1/4"	6"	Red	11.36
92-0116-00	L-10-M	5/16"	6"	Amber	11.36
92-0355-00	LL-8-M	1/4"	16-3/4"	Red	23.30

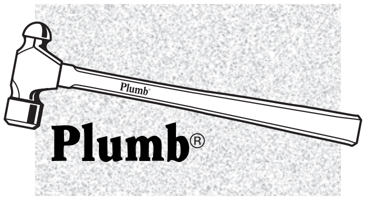
CLAW HAMMER



- Durable, black enamel finish on head
- Polished bell and striking face
- Hickory handle
- Permabond construction between head and handle
- Head weight 16 oz.
- 13" overall length
- Ref. No. 11460

Part Number		Price per ea.
92-0009-00	Claw Hammer	14.62

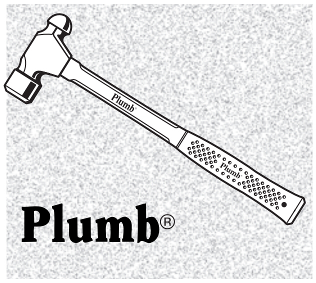
BALL PEIN HAMMER



- Hickory handle
- Ground, black head
- Polished poles and peins
- Permabond construction between head and handle

Part Number	Ref. No.	Weight	Overall Length	Price per ea.
92-0034-00	11494	4 oz.	10-1/2"	12.04
92-0036-00	11496	8 oz.	11-1/4"	12.92

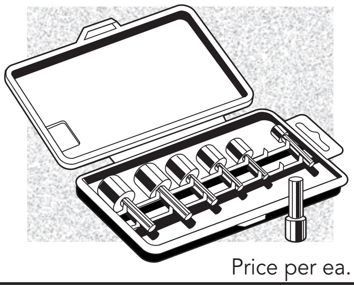
BALL PEIN HAMMER



- Fiberglass handle with black grip cushion
- Forged black head with polished poles and peins
- Permabond construction between head and handle
- Head weight 16 oz.
- 12-3/4" overall length
- Ref. No. 11426

Part Number		Price per ea.
92-0033-00	Ball Pein Hammer	18.58

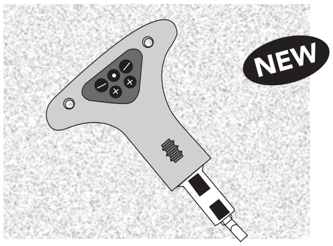
S.A.E. POWER NUTDRIVER BIT SET



- For Magna Tip screwdriver 1/4" shank
- Adaptable to 1/4", 3/8" and 1/2" chucks
- 7-piece set includes: 3/16", 1/4", 9/32", 5/16", 7/16", 3/8" and 11/32" nutdrivers
- Handy red plastic case

Part Number		Price per ea.
92-0223-00	S.A.E. Power Nutdriver Bit Set	11.45

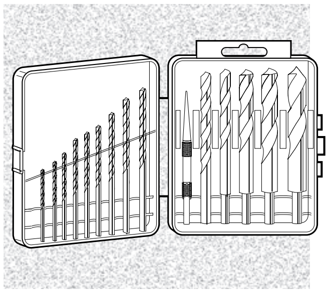
6-BIT RATCHET SCREWDRIVER TOOL SET



- Multi-purpose screwdriver set
- Ratcheting handle
- Includes 6 bits: 3 flat, 3 cross
- Convenient bit holder built into handle
- Bright yellow comfort grip handle
- Flat bits: .12", .16", .24"
- Cross Bits: #1, #2, #3

Part Number		Price per ea.
92-1355-00	6 Bit Screwdriver Tool Set	5.20

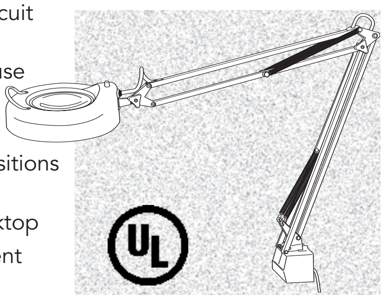
15 PIECE DELUXE DRILL BIT SET



- 1/4" round shank twist drills
- Reduced shanks on sizes above 1/4"
- Durable molded plastic case
- 1/16" center punch and full fractional drill range
- Includes sizes 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16" and 1/2"

Part Number		Price per ea.
92-0027-00	Deluxe Drill Bit Set	29.99

MAGNIFYING FLUORESCENT WORK LAMP

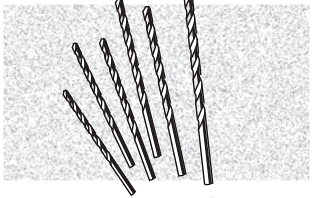


- An excellent lamp for circuit board repair or rework
- Heavy duty for years of use
- 3x Magnifier lens for easy viewing
- Spring-balanced arm positions light where it's needed
- Clamps to bench or desktop
- 22 watt circular fluorescent lamp supplies shadow free light
- Lamp arms reach up to 45"
- UL listed
- 5 ft. cord

Part Number		Price per ea.
91-0202-00	Magnifying Fluorescent Work Lamp	86.70

ECONOMY DRILL BITS

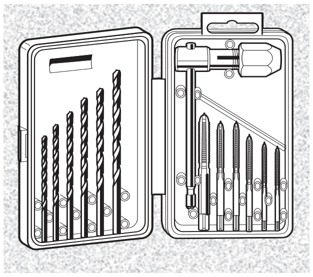
- Straight shank



Part Number	Size	Price per ea.
92-0053-00	1/16"	.85
92-0051-00	5/64"	.85
92-0055-00	3/32"	.85
92-0056-00	7/64"	.85
92-0057-00	1/8"	.85
92-0058-00	9/64"	.85
92-0054-00	5/32"	.85
92-0059-00	3/16"	1.15
92-0060-00	13/64"	1.15
92-0052-00	7/32"	1.45
92-0061-00	1/4"	1.75
92-0062-00	3/8"	3.80

TAP AND DRILL SET

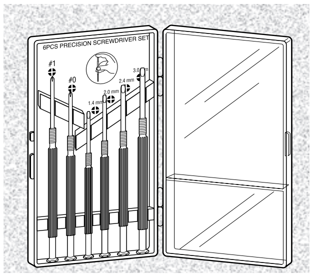
- Designed for electricians
- 13-Piece set holds carbon taps and matching HSS twist drills
- Housed in durable plastic case
- Includes 6 carbon plug taps: sizes 4-40, 6-32, 8-32, 10-24, 10-32, 1/4-20, 6 HSS twist drills-sizes 43, 36, 29, 25, 21, 7, and a T-handle wrench



Part Number		Price per ea.
92-0080-00	Tap and Drill Set	26.60

6-PC JEWELERS SCREWDRIVER SET

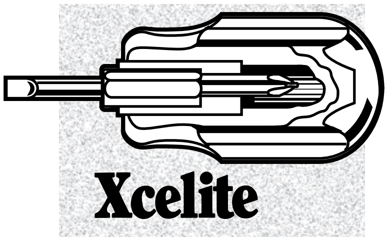
- Precision screwdriver set
- Includes 2 Phillips blades (#1& #0) and 4 flat blades (1.4mm, 2.0mm, 2.4mm & 3.0mm)
- Housed in a sturdy plastic case



Part Number		Price per ea.
92-0072-00	6-pc Jewelers Screwdriver Set	5.20

TWO-IN-ONE STUBBY SCREWDRIVER

- Stubby handle
- 3/16" slotted tip end and No. 1 Phillips end
- Ref. No. TSD-1V



Part Number		Price per ea.
92-0088-00	Two-In-One Stubby Screwdriver	7.84

XCELITE SCREWDRIVERS

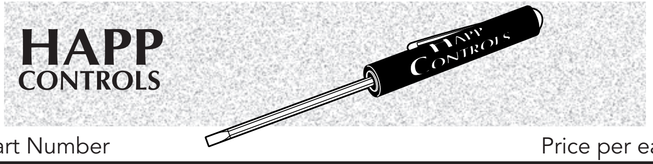
- Blades are AISI 6150 chrome vanadium steel, plated for protection

Flat Blade Type Part Number	Point Size	Shaft Length	Overall Length	Price per ea.
92-0173-00	1/8"	4"	6-5/8"	4.08
92-0171-00	5/32"	4"	6-5/8"	3.72
92-0170-00	3/16"	3"	6-5/8"	5.21
92-0169-00	3/16"	10"	13-5/8"	3.26
92-0166-00	1/4"	8"	12-1/8”	8.44

Phillips Type Part Number	Point Size	Shaft Length	Overall Length	Price per ea.
92-0176-00	1	3"	6-5/8"	5.22
92-0175-00	2	4"	8-1/8"	6.62
92-0174-00	3	6"	10-1/2"	9.26
92-0179-00	1	10"	13-5/8"	8.90
92-0178-00	2	10"	14-1/8"	11.40

HAPP CONTROLS 5" SCREWDRIVER

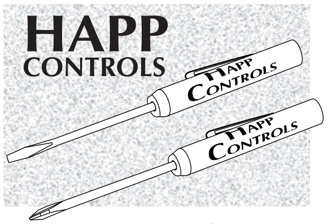
- Handy 5" screwdriver with reversible Phillips/Slotted head
- Rubberized handle give you a better grip, even with wet or greasy hands
- Pocket clip makes it easy to carry in your shirt pocket without losing
- Hex shaft with a metal socket
- Smaller size is ideal for those tiny, hard to get spots



Part Number		Price per ea.
SCREWDRIVER HAPP	Happ Controls 5" Screwdriver with Reversible Phillips/Slotted Head	2.99

HAPP CONTROLS SCREWDRIVERS

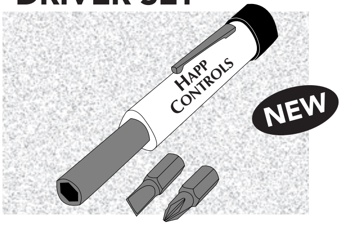
- 5" long-great for hard to reach places
- Flat head or phillips head available
- Hardened steel for life
- A must for every toolbox
- Complete with pocket clip



Part Number		Price per ea.
92-0206-02	Flat Head Screwdriver	1.80
92-0206-01	Phillips Head Screwdriver	1.70

4-IN-1 POCKET DRIVER SET

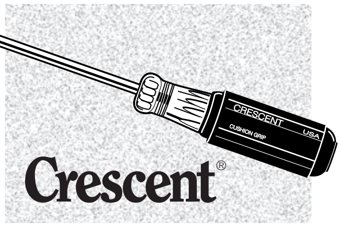
- Compact driver set is ideal for technicians on the go
- Magnetized driver holds tips in place
- Pocket clip for shirt pocket
- Handle color: Red
- Size: 4-1/2” L x 5/8” diameter
- 3/8” nut driver with 7/32” slotted and #1 Phillips tips in the handle



Part Number		Price per ea.
92-0369-00	4-In-1 Pocket	4.89

FLAT BLADE SCREWDRIVERS

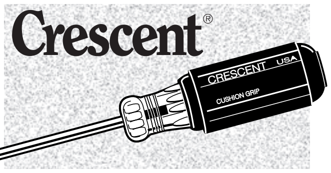
- Cushion grip
- Various sizes and lengths



Part Number	Point Size	Shaft Length	Overall Length	Price per ea.
92-0122-00	1/4"	4"	8"	4.54
92-0123-00	1/4"	6"	10"	4.54
92-0217-00	3/16"	3"	6"	4.54
92-0125-00	3/16"	4"	8"	4.80
92-0126-00	3/16"	6"	10"	5.12
92-0127-00	3/16"	8"	12"	5.52
92-0128-00	3/16"	10"	14"	7.00

PHILLIPS SCREWDRIVERS

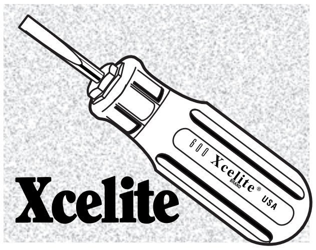
- Cushion grip
- Various sizes and lengths



Part Number	Point Size	Overall Length	Blade Length	Price per ea.
92-0129-00	1	6-3/4"	3”	4.50
92-0262-00	2	8-3/8"	4”	5.04
92-0263-00	3	11"	6”	7.08

4-WAY POCKET TOOL

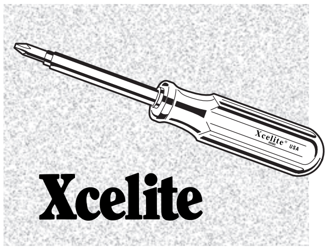
- Versatile time saver
- Double-ended handle serves as 2 sizes of nutdrivers, 7/16" and 1/4"
- Special reversible SB1 blade fits slotted or Phillips head screws
- Ref. No. 600V



Part Number		Price per ea.
92-0187-00	4-Way Pocket Tool	12.58

FOUR-IN-ONE SCREWDRIVER

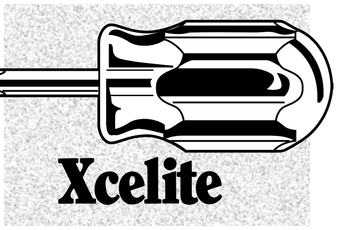
- Extra Handy Tool
- Converts in seconds to 3/16" and 1/4" slotted tips and #1 & #2 phillips tips
- Self storing standard shaft
- 2 blades interchangeable with two-in-one screwdriver
- Ref. No. FSD-IV



Part Number		Price per ea.
92-0266-00	4-Way Pocket Tool	12.92

STUBBY PHILLIPS SCREWDRIVER

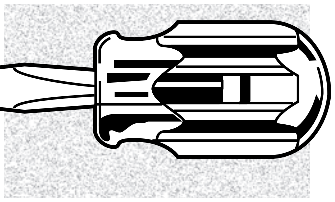
- No. 2 Phillips tip
- 3-3/8" overall length
- Ref. No. SX-102



Part Number		Price per ea.
92-0145-00	Stubby Phillips Screwdriver	6.56

STUBBY FLAT BLADE SCREWDRIVER

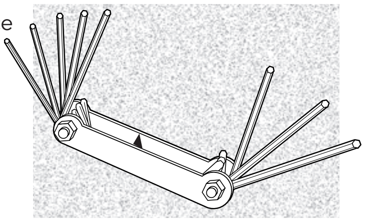
- 1/4" flat blade
- 3-1/4" overall length
- Ref. No. S141



Part Number		Price per ea.
92-0144-00	Stubby Flat Blade Screwdriver	5.92

POCKET SIZE HEX KEY SETS

- Spring bar holds tool in place
- One piece steel case, heat treated 8650 alloy steel
- Folds up like a pocket knife



7-Piece Metric Key Set
Includes the following sizes: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm and 6mm

Part Number		Price per ea.
92-0044-00	7-Piece Metric Hex Key Set	8.00

8-Piece S.A.E. Key Set
Includes the following sizes: .050, 1/16", 5/64", 3/32", 7/64", 1/8", 9/64" and 5/32"

Part Number		Price per ea.
92-0045-00	8-Piece S.A.E. Hex Key Set	8.00

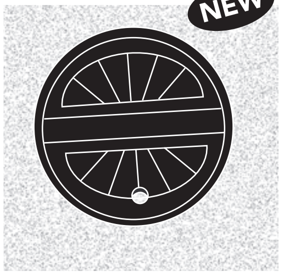
9-Piece Large S.A.E. Key Set
Includes the following sizes: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" and 1/4"

Part Number		Price per ea.
92-0046-00	9-Piece S.A.E. Hex Key Set	10.65

EZ-GRIP PUCK

NEW

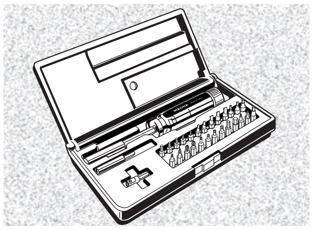
- Manufactured from special rubberized material
- Improves grip dramatically when pushing/pulling fish tape, wire or cable
- Saves time and energy when working with wire and cable
- Provides a stable base for terminating wire in jacks or connectors
- Compact, tool fits in the palm of your hand
- A must have in any tool box



Part Number		Price per ea.
29-0320-00	EZ-Grip Puck by Platinum Tools	4.99

MAGNA WHATCHA-CALLIT® KIT

- 29 piece driver and bit set
- Packaged in durable molded plastic case

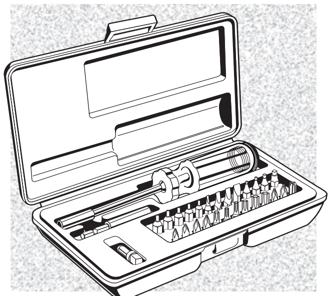


Includes	Length Inches	Bit/Point Size
Driver	7	1/4 (magnetic w/storage handle)
Phillips Bits	1	0,1, 2, 3
Slotted Bits	1	0-1, 3-4, 5-6, 8-10, 12
Allen Bits	1	5/64, 3/32, 7/64, 1/8, 9/64
Square Recess Bits	1	0, 1, 2, 3
TORX® Bits	1	T10, T15, T20, T25, T30, T40
POZIDRIV® Bits	1	1, 2
Socket Adapter	1	1/4
Bit Holder	1	1/4 (for use with power tools)

Part Number		Price per ea.
92-0100-00	Magna Whatcha-Callit Kit	42.50

29-PIECE DRIVER AND BIT SET

- 29-piece driver and bit set
- Packaged in durable molded plastic case

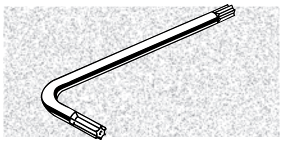


Includes	Length Inches	Bit/Point Size
Driver	7	1/4 (magnetic w/storage handle)
Phillips Bits	1	0,1, 2, 3
Slotted Bits	1	3, 5, 7/32, 9/32
Allen Bits	1	5/64, 3/32, 7/64, 1/8, 9/64
Square Recess Bits	1	0, 1, 2, 3
TORX Bits	1	T10, T15, T20, T25, T30, T40
POZIDRIV Bits	1	1, 2, 3
Socket Adapter	1	1/4
Bit Holder	1	1/4 (for use with power tools)

Part Number		Price per ea.
92-0100-10	29-Piece Driver and Bit Set Kit	31.90

TAMPER-RESISTANT TORX® WRENCHES

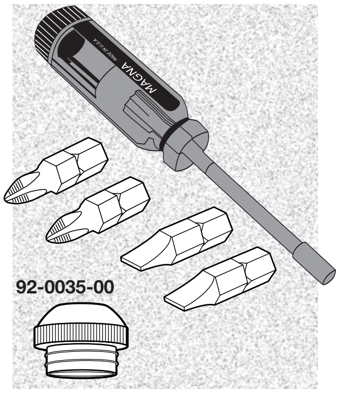
- A must for every toolbox
- Torx® is a registered trademark of Camcar Div. of Textron Inc.



Part Number		Price per ea.	L/6
49-0452-00	Torx® T-10 Wrench	5.00	4.50
49-0107-00	Torx® T-15 Wrench	6.25	5.60
49-0049-00	Torx® T-20 Wrench	6.25	5.60
49-0048-00	Torx® T-25 Wrench	6.25	5.60
49-0520-00	Torx® T-27 Wrench	6.25	5.60
49-0537-00	Torx® T-30 Wrench	6.25	5.60
49-0538-00	Torx® T-40 Wrench	6.25	5.60

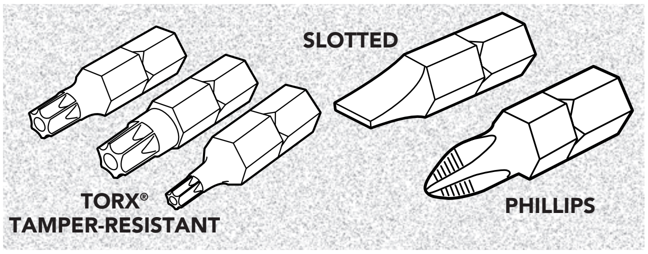
MAGNETIC SCREWDRIVER

- Industrial quality screwdriver
- Magnetic shank with flip top cap
- 1/4" Hex insert bit
- Includes 4 bits in handle - Phillips #1, #2 and Flat #4 , #6



Part Number		Price per ea.
49-0585-00	7" Magnetic Screwdriver with 4 Bits	10.35
49-0586-00	11" Magnetic Screwdriver with 4 Bits	13.55
92-0035-00	Replacement Screw Cap	1.05

SCREWDRIVER BITS

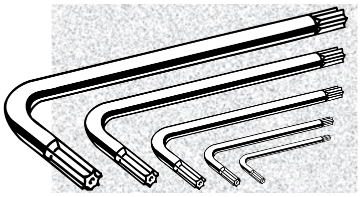


- Ideal for screw guns, cordless and electric drills
- Tough, fracture-resistant tips
- Made in the USA
- Torx® is a registered trademark of Camcar Div. of Textron Inc.

Part Number	Type	Price per ea.
92-0030-00	#0 Phillips	1.35
49-0632-00	#1 Phillips	1.35
49-0633-00	#2 Phillips	1.35
92-0017-00	#2 Phillips, 3 Inch Long	1.75
92-0021-00	#2 Phillips, 2 Inch Long	1.75
49-0634-00	#3 Phillips	1.35
49-0635-00	#3 - 4 Straight Slotted	2.55
49-0636-00	#5 - 6 Straight Slotted	1.60
49-0637-00	#6 - 8 Straight Slotted	1.60
49-0638-00	#8 - 10 Straight Slotted	1.60
49-0639-00	#10 - 12 Straight Slotted	1.60
49-0574-T10	Torx® T-10 Tamper-Resistant Bit	3.10
49-0574-T15	Torx® T-15 Tamper-Resistant Bit	3.10
49-0574-T20	Torx® T-20 Tamper-Resistant Bit	3.10
49-0574-T25	Torx® T-25 Tamper-Resistant Bit	3.10
49-0574-T27	Torx® T-27 Tamper-Resistant Bit	3.10
49-0574-T30	Torx® T-30 Tamper-Resistant Bit	3.10
49-0574-T40	Torx® T-40 Tamper-Resistant Bit	3.10
92-0151-00	Torx® T-9 Bit	2.55
92-0264-00	Torx® T-20 Bit	2.55
92-0261-00	Torx® T-25 Bit	2.55

TAMPER-RESISTANT TORX® WRENCH SET

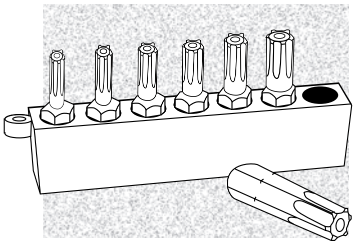
- 6-piece set
- Contains one each T-10, T-15, T20, T-25, T-27, T-30
- Torx® is a registered trademark of Camcar Div. of Textron Inc.



Part Number		Price per ea.
49-0709-00	Tamper-Resistant Torx® Wrench Set	21.30

TAMPER-RESISTANT STAR BIT SET

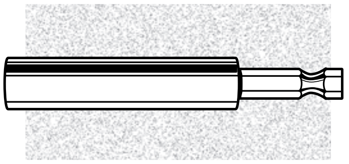
- For tamper-resistant star fasteners
- Tempered, precision-machined tips
- Includes 7 bits: T-10, T-15, T-20, T-25, T-27, T-30, T-40
- Complete with PVC organizer



Part Number		Price per ea.
49-0710-00	Tamper-Resistant Star Bit Set	4.00

BIT HOLDER FOR HEX INSERT BITS

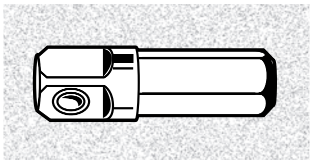
- Magnetic 1/4" bit holder



Part Number		Price per ea.
92-0016-00	2-7/8" Length	9.90
92-0050-00	6" Length	17.30

1/4" MALE ADAPTER

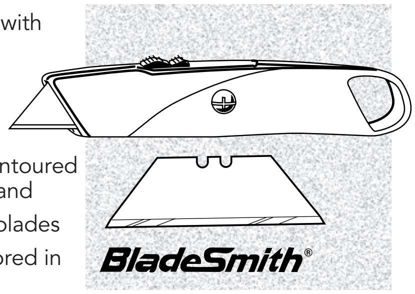
- Adapts screwdrivers and drills to drive sockets



Part Number		Price per ea.
92-0015-00	1/4" Male Adapter	4.95

UTILITY KNIFE

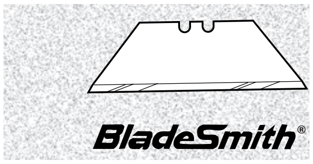
- Fully retractable blade with slide stop operation
- 3 blade positions - full, one-half and one quarter
- Aluminum handle is contoured to fit the palm of the hand
- Includes 3 heavy duty blades
- Extra blades can be stored in the handle



Part Number		Price per ea.
92-0040-00	Utility Knife	3.85

UTILITY KNIFE BLADES

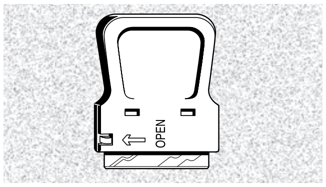
- Heavy Duty
- Sold in packages of 5



Part Number		Price per pkg.
92-0014-00	Utility Knife Blades	1.60

MINI RAZOR BLADE HOLDER AND SCRAPER

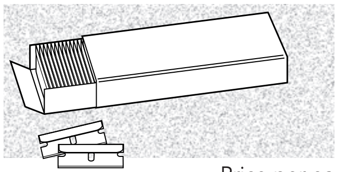
- Blade easily snaps in and out
- Blade can be stored upside down for safety
- Holds blade securely for scraping jobs
- Includes one blade



Part Number	Description	Price per ea.
49-5053-00	Mini Razor Blade Holder and Scraper	1.20

RAZOR BLADES

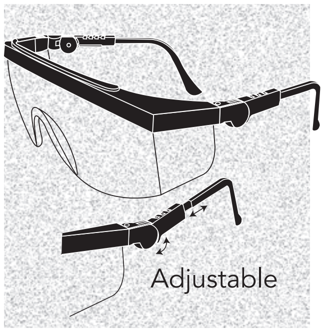
- Single edge
- Industrial quality
- Sold 100 per box



Part Number		Price per ea.
49-0926-00	Razor Blades	7.95

SAFETY GLASSES WITH ADJUSTABLE FRAME

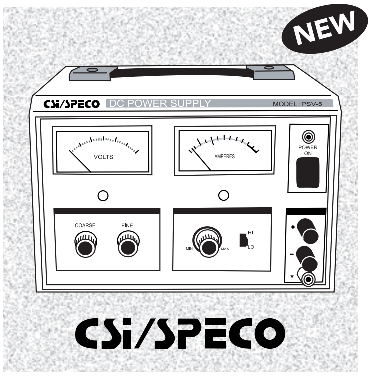
- Economical, wrap-around styling with integral sideshields and nosebridge
- Impact resistant lenses treated with Duramass® AF4 scratch-resistant coating
- Adjustable temple length
- Unique fully-adjustable, five-position ratchet-action temples
- Clear polycarbonate lenses filters out 99.9% of harmful UV light
- Meets CSA Z94.3
- Meets ANSI Z87.1-2003 High Impact
- Black frame



Part Number		Price per ea.
92-0136-01	Safety Glasses w/adjustable frame	5.99

GENERAL PURPOSE DC POWER SUPPLY

- 30-volt variable power supply
- It features dual panel meters, volts, and amps, coarse and fine voltage adjustment, hi-lo current with min/max control, and a dual amp scale meter
- 117V AC 60 Hz input and a 0-30V DC output with 0-5 amp regulation
- It has overload and short circuit protection, low ripple of 0.5mV RMS, current limiting 0-5 amps, single output heavy duty binding posts for (+) (-) ground, and a heavy duty 3 prong power cord



Technical Specifications

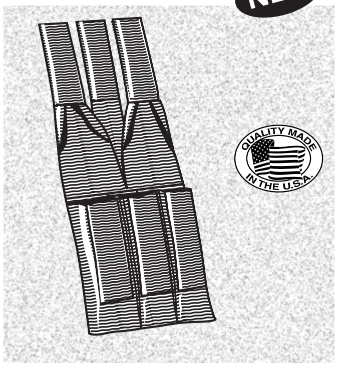
Frequency Range N/A Input 117V AC / 60 Hz Output 0.30V DC - 0-5 Amp Regulated Weight 10 lbs Size 6-1/4”(H) X 8-1/2”(W) X 10”(D)

Part Number		Price per ea.
32-0463-00	General Purpose DC Power Supply	364.75

4-POCKET HOLSTER

NEW

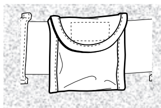
- Clip-on 4-pocket holster for mini-flashlight, tools, marker, etc.
- Made in the USA
- Overall size: 4” X 4”
- 3 small pockets and 1 large pocket in back
- Constructed from tuff poly webbing and a plated spring steel clip
- Easily worn with or without a belt
- Spring-loaded metal belt clip on back

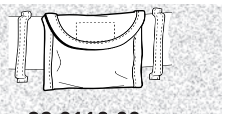

QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
92-0564-00	4-Pocket Holster	18.09

GLOVE POUCHES

- Made of black cordura nylon
- 2-1/2" low profile belt loop

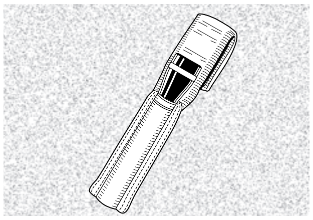

92-0018-00


92-0112-00

Part Number		Price per ea.
92-0018-00	3-1/2” x 3-1/2 Standard Glove Pouch	6.30
92-0112-00	4" x 4" Large Glove Pouch	4.90

MINI-FLASHLIGHT SHEATH

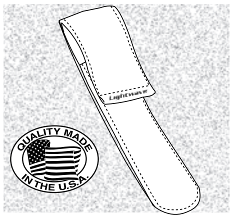
- Holds mini-flashlight uncovered
- Made of black durable nylon
- Sewn down belt loop
- Unaffected by water, oil or mildew
- Flashlight not included



Part Number		Price per ea.
92-0227-00	Mini-Flashlight Sheath	4.90

NYLON FLASHLIGHT HOLDER FOR LIGHTWAVE 2000™

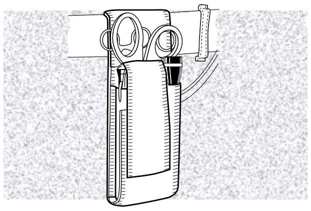
- Made of durable black nylon
- Attaches to belt with included loop on back
- Fold over flap holds the flashlight securely in the holder
- Resists water, oil and mildew
- Made in USA


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
49-6119-10	Nylon Flashlight Holder with Belt Clip	15.40

LARGE TOOL HOLDER

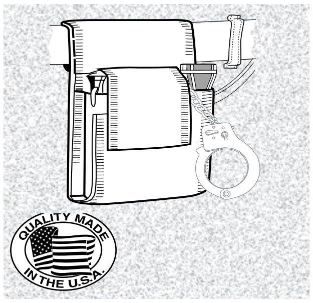
- 3 large pockets
- Extra space for additional tools
- Made from heavy duty black nylon Cordura
- Fits on tool belt



Part Number		Price per ea.
92-0012-00	Large Tool Holder	14.90

SECURITY POUCH

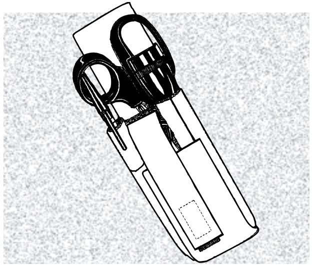
- 3 large pockets hold: 1 set handcuffs, 2 pair latex gloves, 1 Mag-lite, 2 pens or 1 marker, 1 log book
- Fits on web belts
- Made in the USA from heavy duty black nylon Cordura®
- Size: 8” (L) x 4” (W) x 1-1/2” (D)
- May also be used as a tool holder
- Handcuffs and tools not included


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
92-0289-00	Security Pouch	17.05

DELUXE TOOL SHEATH

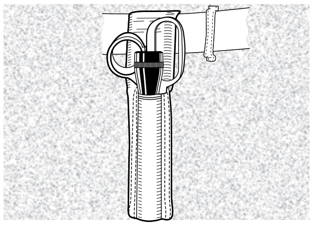
- Holds Mini-flashlight, pens, screwdriver, shears, etc.
- Easily attaches to belt with loop on back
- Made of heavy duty black nylon



Part Number		Price per ea.
92-0031-00	Deluxe Tool Sheath	10.65

BASIC TOOL SHEATH

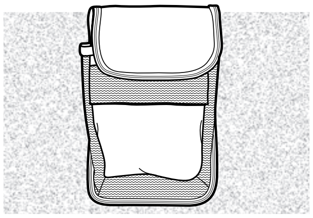
- Holds scissors and mini-flashlight
- Made from black polypro web



Part Number		Price per ea.
92-0020-00	Basic Tool Sheath	6.20

LARGE SLOT MACHINE POUCH

- 6” W x 8-1/2” H
- 2 pockets
- Black Imperial nylon
- Large belt loop sewn on back

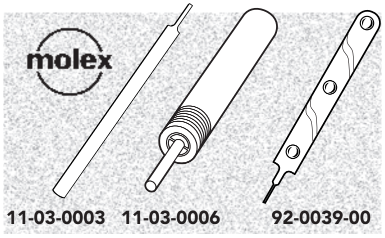


Part Number		Price per ea.
92-0111-00	Large Slot Machine Pouch	21.30

HAPP CONTROLS
is an authorized
COOP BVA INC.
Better Vendors Association
SUPPLIER

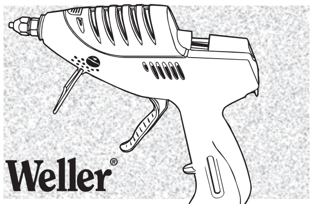
MOLEX PIN EXTRACTOR TOOLS

- Spring-loaded tool to allow easy removal of Molex pins from connector
- A must for every toolbox
- For servicing of Molex connectors



Part Number	Description	Molex Ref. No	Price per ea.
11-03-0006	Molex Extractor Tool for .093" Pins	11-03-0006	20.20
11-03-0002	Molex Extractor Tool for .062" Pins	11-03-0002	20.20
11-03-0003	Molex Extractor Tool for .156" Pins	11-03-0003	10.60
92-0039-00	Molex Extractor Tool for .165" Pins	11-03-0044	31.90

WELLER CORDLESS GLUE GUN G150

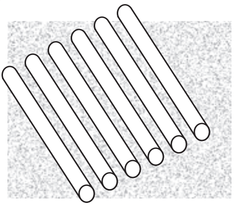


- Cordless for ultimate portability
- Self-igniting with push-button ease and convenience
- Uses standard 1/2" glue sticks
- Ergonomically designed for maximum comfort
- Patented magnetic thermostat controls gas usage for optimal performance
- Performance grip and trigger for accurate flow control
- Self-venting gas fill valve affording a 30 second refill
- Cooled exhaust gas port and ventilated heat chamber
- Operator controlled gas On/Off valve
- Ignition view window glows when the unit is operating
- Retractable stand allows the gun to stand on its own
- Gas level window lets you see exactly how much gas is left
- Lightweight, only 10.7 oz
- Generates up to 175 watts with a melt rate of 2.5 lbs/hour
- Gas capacity allows up to 2-3 hours of continuous use
- Butane sold separately (29-1055-00)

Part Number		Price per ea.
92-0359-00	Weller Cordless Glue Gun G150	59.99
29-1055-00	Butane Refill 3 oz	7.25

GLUE STICKS

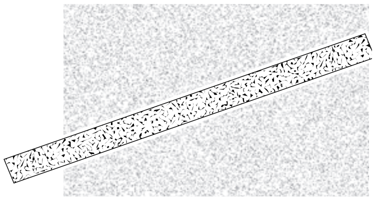
- 10" glue sticks
- Pack of 20



Part Number		Price per ea.
29-1145-00	Glue Sticks (Pack of 20)	5.30

FLEXSTONE FILES

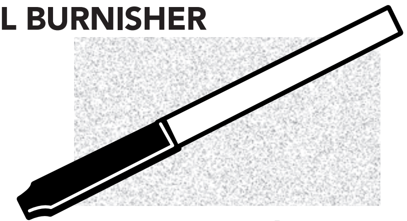
- For filing electrical contact points
- 4-1/4" long



Part Number		Price per ea.
43-0686-00	Fine Grit	2.05
43-0687-00	Medium Grit	2.05

METAL BURNISHER

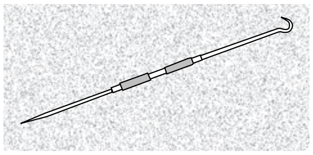
- For burnishing electrical contacts
- 4" long



Part Number		Price per ea.
43-0579-00	Metal Burnisher	2.55

SPRING HOOK & SCRIBE

- Double fixed-point scribe
- One straight point and one curved hook
- Overall length of 8"



Part Number		Price per ea.
49-0655-00	Spring Hook & Scribe Tool	4.25

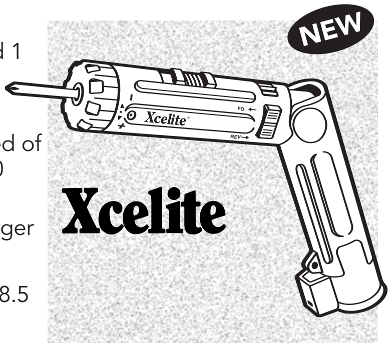
LUFKIN QUIKREAD POWER RETURN TAPE

- Easy-to-read vertically numbered tape measure
- Graduations printed in fractions and decimal equivalents to help you make quick readings
- Rounded case fits your hand fits for comfort
- Patented Lufkin "Quad Hook" extends blade life
- Positive toggle lock holds blade in place for dependable measurements
- Durable ABS case withstands rugged use on the job site
- Rubber bumper absorbs shock when blade is returned, extending blade life
- Graduations protected by tough clear-coat protectant
- 3" base for convenient inside measurements
- 25' L x 1" W blade for greater standout
- Made in USA

QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
92-0360-00	Lufkin Quikread Power Return Tape	22.36

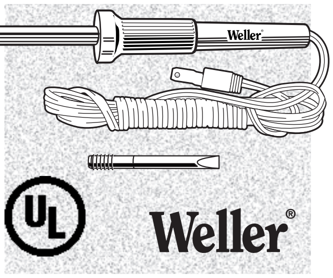
XCELITE XP1 CORDLESS DRIVER KIT



- This Kit contains a driver, battery, charger, 3 bits and 1 adapter.
- Multi-stage clutch
- 2 Speed control. Low speed of 180 and high speed of 360 RPMs
- UL and cUL approved charger
- Motor: 3.6V DC
- Max. Clutch torque: Low 28.5 in. lbs., High 14 in. lbs.
- Overall Length: 10.8"
- 3.6V Nickel-Cadmium battery
- Battery charger for a quick 1 hour charge
- UL and cUL approved charger
- Includes 3 bits, 2 Phillips and 1 slotted

Part Number		Price per ea.
92-0993-00	Xcelite XP1 Cordless Driver Kit	148.32
92-0994-00	Replacement Battery	34.08

GENERAL DUTY SOLDERING KIT



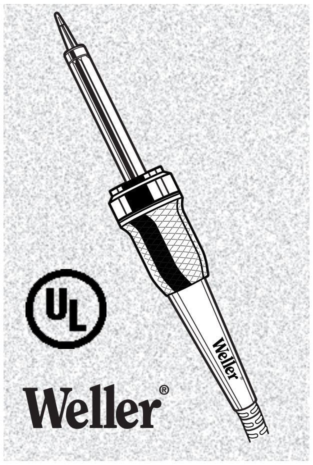
- For the professional
- Kit contains SP23 iron; MT1, MT2, MT3, 1/8" / 3mm diameter pre-tinned tips of nickel plated copper; lead free solder and soldering aid tool
- UL Listed
- Ref. No. SP23LK

Part Number		Price per ea.
94-0023-00	General Duty Soldering Kit	25.97

Replacement Tips

Part Number	Ref. No	Description	Price per ea.
92-0214-00	MT1	Cone Shaped Tip	4.96
94-0253-00	MT2	Screwdriver Tip	4.96
92-0254-00	MT3	Chisel Tip	5.10

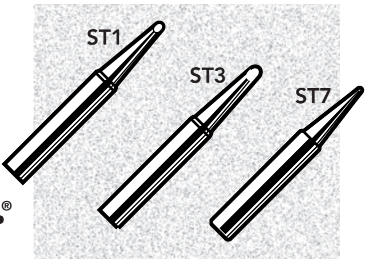
WELLER SOLDERING IRONS



- Professional quality
- 7-7/8" / 200mm long
- Small and lightweight
- Uses ST series long life double-coated iron-plated tips
- Quick change knurled collar
- Stainless steel barrel
- Light blue with cushion grip handle and plug in heating element
- 3 different heating elements are available
- 6 ft. 3-wire cord
- UL Listed

Part Number	Description	Watt	Price per ea.
94-0025-00	Ref.No WP25	25	46.82
94-0035-00	Ref.No WP35	35	57.24

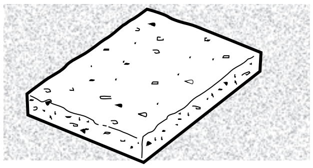
REPLACEMENT SOLDERING TIPS



- For Weller WP25 and WP35 solder irons
- ST series tips
- Precision ground copper tips are plated with iron, nickel and chromium

Part Number	Ref. No	Tip Size & Description	Price per ea.
94-0001-00	ST1	1/16" Screwdriver Tip	6.40
94-0003-00	ST3	1/8" Screwdriver Tip	6.40
94-0007-00	ST7	1/32" Conical Tip	6.40

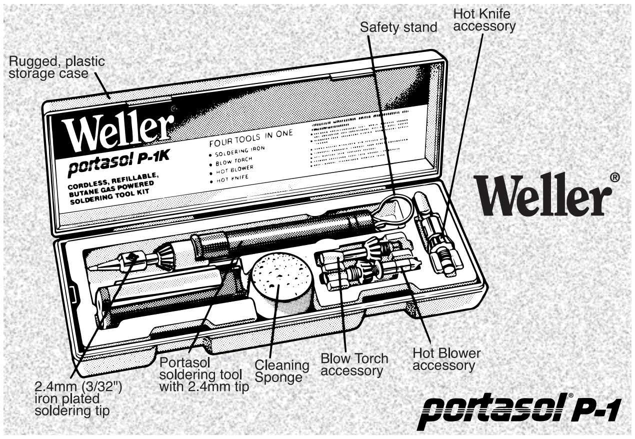
SPONGE FOR SOLDERING STATION



- Replacement Sponge sold in eaches
- Ref. No. 455

Part Number		Price per ea.
94-0106-00	Sponge for Soldering Station	2.99

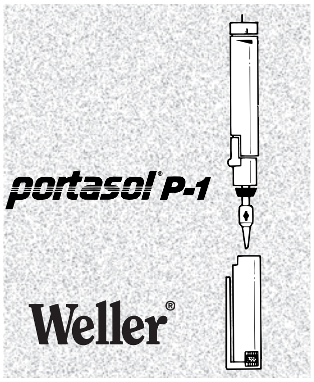
PORTASOL SOLDERING KIT


Safety stand
Hot Knife accessory
Rugged, plastic storage case
Weller
portasol P-1K
CORDLESS, REFILLABLE, BUTANE GAS POWERED SOLDERING TOOL KIT
FOUR TOOLS IN ONE
Weller
2.4mm (3/32") iron plated soldering tip
Portasol soldering tool with 2.4mm tip
Cleaning Sponge
Blow Torch accessory
Hot Blower accessory
portasol P-1

- Does not require cords, batteries or cartridges
- Patented soldering tool has a catalytic converter that provides a powerful yet safe flameless combustion
- Refills with butane lighter gas
- Develops 850° F/ 454° C
- Kit contains Portasol P-1 soldering tool, 3/32 in. / 2.4mm iron-plated soldering tip, hot knife accessory, hot blower accessory, blow torch accessory, cleaning sponge and safety stand
- Ref. No. P-1KC

Part Number		Price per ea.
92-0277-00	Portasol Soldering Kit	73.66

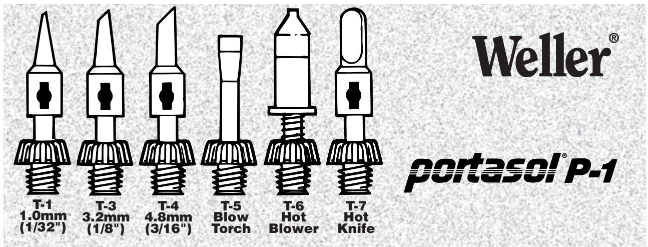
PORTASOL BUTANE SOLDERING IRON



- Cordless, refillable butane gas-powered soldering equipment
- Does not require cords, batteries or cartridges
- Patented soldering tool has a catalytic converter that provides a powerful yet safe flameless combustion
- Refills with butane lighter gas

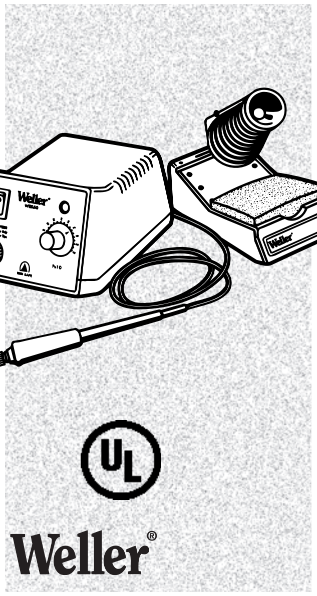
Part Number		Price per ea.
92-0194-00	Portasol Butane Soldering Iron	41.50

REPLACEMENT TIPS



Part Number	Ref. No	Size	Price per ea.
92-0252-00	T-1	1.0mm Pro Tip	13.24
92-0192-00	T-3	3.2mm Pro Tip	13.24
92-0191-00	T-4	4.8mm Pro Tip	12.86
92-0245-00	T-5	Blow Torch	12.86
92-0244-00	T-6	Hot Blower	12.86
92-0207-00	T-7	Hot Knife	12.54

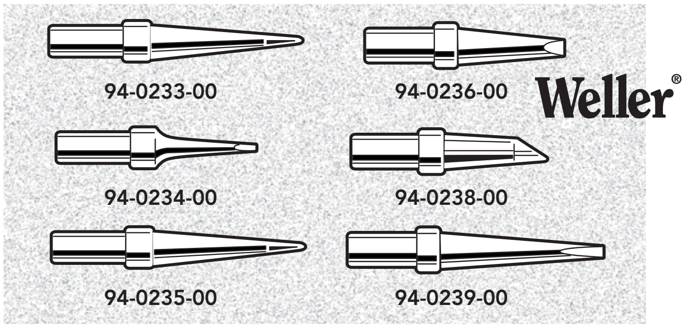
WELLER ELECTRONIC SOLDERING STATION



- Electronically controlled station
- Ideal for continuous production soldering or occasional use
- Features a new heater and sensor design that allows for quick heat-up and recovery
- Wireless temperature lockout to prevent operators from raising the temperatures to higher levels than specified
- Wireless tip temperature calibration provides capability of resetting station temperature readings to variations in tip sizes and styles
- Slim, comfortable hand piece reduces operator fatigue
- ESD safe to protect sensitive components
- 120 volts, 60 watts
- UL listed
- Ref. No. WES51

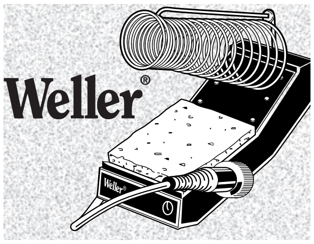
Part Number		Price per ea.
92-0213-00	Weller WES51 Soldering Station	156.98

REPLACEMENT PARTS FOR WELLER WES50 AND WES51 ELECTRONIC SOLDERING STATION



Part Number	Ref. No	Description	Price per ea.
94-0234-00	ETR	1/16" Narrow Tip	6.82
94-0233-00	ETS	1/64" Conical Tip	6.82
94-0238-00	ETDD	3/16" Flat Tip	6.82
94-0235-00	ETO	1/32" Conical Tip	6.82
94-0236-00	ETA	1/16" Screwdriver Tip	6.82
94-0239-00	ETK	3/64" Long Screwdriver Tip	6.82

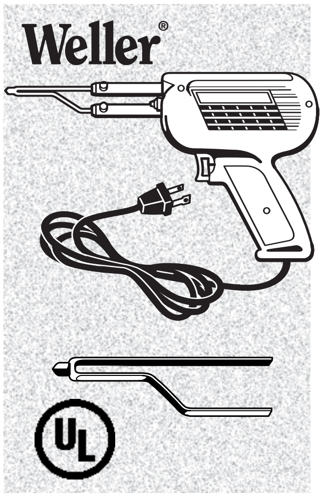
SOLDERING TOOL STAND



- Soldering tool stand with base sponge and iron holder
- Compatible with Weller W60P, WP25, WP30, WP35 and irons with barrel diameters up to 15/32"/ 11.90mm
- Ref. No. PH60

Part Number		Price per ea.
94-0280-00	Soldering Tool Stand	28.26

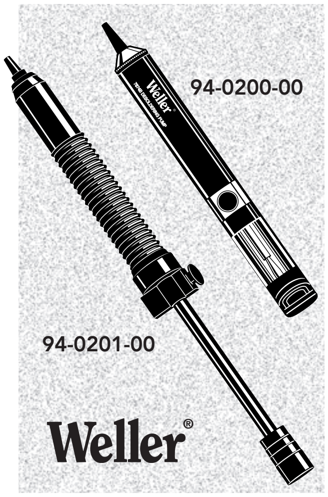
UNIVERSAL SOLDERING GUN



- All Purpose Solder Gun
- Fingertip trigger selection of high or low output from instant-heat gun-ready to solder in 6 seconds
- High efficiency tin plated, pure copper tip
- Compact, balanced pistol-grip design
- Soldering hints booklet included
- 2-wire cord
- UL listed
- 120 volt, 50/60 Hz, 140/100 watts
- Ref. No. 8200

Part Number		Price per ea.
94-8200-00	Universal Soldering Gun	48.50
94-7135-00	Replacement Soldering Tip, card of 2	5.62

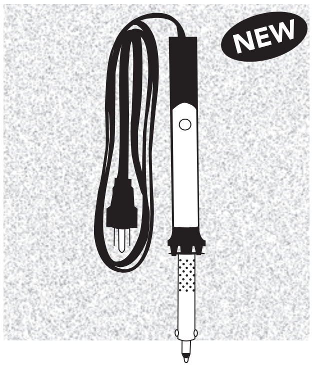
MANUAL DESOLDERING PUMPS



- Removes molten solder from printed circuit boards and electronic components
- Plunger seal spring creates extremely strong suction
- Antistatic Teflon tips that screw into the body to ensure that the strong vacuum is maintained
- Tool features push button plunger release and lightweight aluminum body that withstands high temperatures
- Tips unscrew to allow easy removal of accumulated solder debris

Part Number	Ref. No	Description	Price per ea.
94-0201-00	7881	Desoldering Pump w/.125" Tip	37.40
94-0203-00	7883	Replacement 0.125" Tip	9.50
94-0200-00	7874B	Desoldering Pump w/0.07" Tip	26.12
94-0202-00	7875B	Replacement 0.08" Tip	5.56

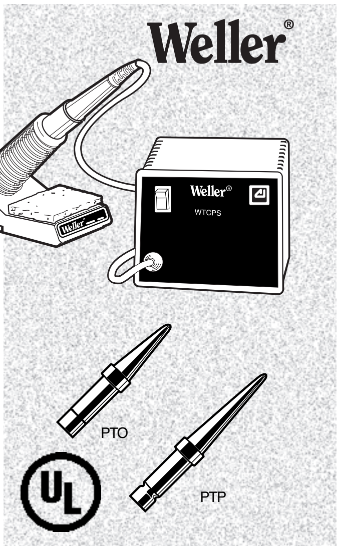
SOLDER POPPER



- Combines a snap-vacuum solder removal tool with a 30 watt soldering iron for fast, one hand operation
- Excellent tool for field repair or production work
- Tightly sealed vacuum pump snaps up all of the solder quickly
- Removable reservoir stores solder
- Long life tip unscrews for easy replacement

Part Number		Price per ea.
92-0759-00	Solder Popper	35.05

CONTROLLED OUTPUT SOLDERING STATION



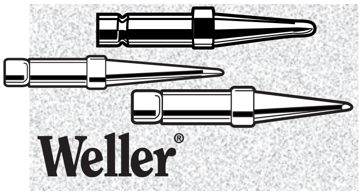
- Transformer powered soldering station complete with macro style, low voltage, temperature controlled soldering iron
- Special “closed loop” method of controlling maximum tip temperature.....to protect temperature sensitive components
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates at third pin of power cord
- UL listed
- 120 volts, 60 watts, 60 Hz
- Ref. No. WTCPT

Part Number		Price per ea.
94-0092-00	Controlled Output Soldering Station	186.78

Replacement Parts for WTCPT Soldering Station

Part Number	Ref. No	Description	Price per ea.
94-0245-00	EC234	Heater Assembly	21.76
94-0210-00	TC201T	Solder Iron with Tip	98.08
94-0106-00	455	Sponge	2.99
94-0060-00	SW60	Switch Assembly	34.52

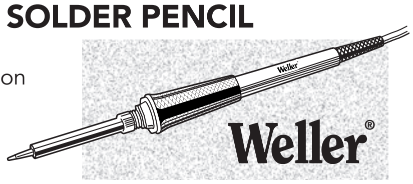
REPLACEMENT SOLDER TIPS FOR WTCPT STATION



- Heavy iron plated, precision ground PT series tips
- Provide maximum heat transfer from heater to tip

Part Number	Ref. No	Description	Price per ea.
94-0264-00	PTP6	6000 F Conical Tip	7.24
94-0093-00	PTP7	7000 F Conical Tip	7.24
94-0094-00	PTA7	7000 F Screwdriver Tip	7.24
94-0263-00	PTO7	7000 F Long Conical Tip	7.24
94-0095-00	PTA8	8000 F Screwdriver Tip	7.24

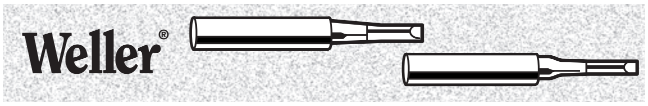
EC1301 SOLDER PENCIL



- Replacement pencil for EC3000 Soldering Station
- Ref. No. EC1301

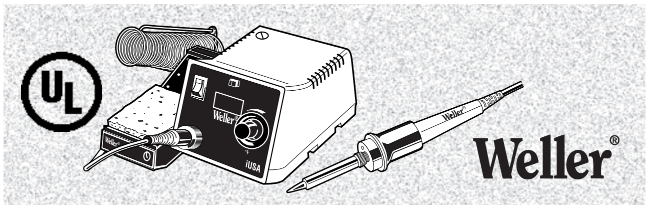
Part Number		Price per ea.
92-1301-00	EC1301 Solder Pencil	132.00

REPLACEMENT EC1301 TIPS



Part Number	Ref. No.	Size	Reach	Type	Price per ea.
94-1306-00	EPH106	1/16"	7/16"	Screwdriver	7.16
92-1307-00	EPH107	5/64"	7/16"	Screwdriver	7.16

WELLER ELECTRONIC CONTROLLED SOLDERING STATION



- LED readout displays temperature settings and tip temperature with a resolution of 1° F and stability of plus or minus 10° F
- Display shows “Read” mode by default which displays current temperature of the tip
- To switch to “Set” mode, turn knob slightly, display will show current set temperatures
- Handles delicate applications
- Electrostatic discharge safe (ESD safe)
- 40 watt iron with ETA tip and stand
- Water reservoir keeps sponge moist
- Externally fused
- UL listed and FCC approved
- 120 volts, 60 watts, 60 Hz
- 24 VAC isolated voltage is used to drive the heating element
- Ref. No. EC2002M1

Part Number		Price per ea.
92-2000-00	Weller Electronic Controlled Soldering Station	468.92

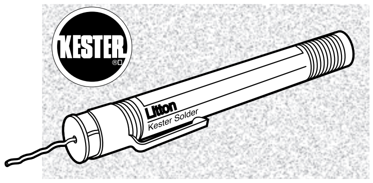
Replacement Parts

Part Number	Ref. No	Description	Price per ea.
94-0229-00	EC229A	Sensor	66.46
94-0208-00	TC208	Heater Assembly	30.84
94-1201-00	EC1201A	Solder Iron	134.34
94-0419-00	BA60	Barrel Nut	7.62
94-0106-00	455	Sponge	2.99

Replacement Tips

Part Number	Ref. No	Description	Price per ea.
94-0234-00	ETR	1/16" Screwdriver Tip	6.82
94-0233-00	ETS	1/64" Conical Tip	6.82
94-0238-00	ETDD	3/16" Single Flat Tip	6.82
94-0235-00	ETO	1/32" Conical Tip	6.82
94-0236-00	ETA	1/16" Screwdriver Tip	6.82
94-0239-00	ETK	3/64" Long Screwdriver Tip	6.82

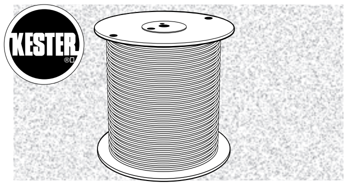
SOLDER PEN



- Handy disposable dispenser with pocket clip
- 12-1/2' of .032 diameter solder
- 60% tin 40% lead, with rosin core

Part Number	Description	Price per ea.	L/6
29-1035-00	Solder Pen	2.10	1.90

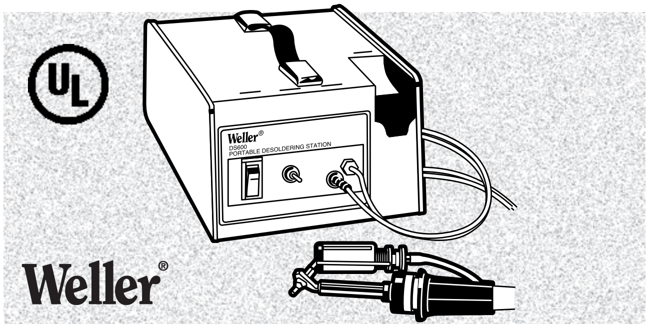
SOLDER SPOOL



- Activated rosin core solder offers excellent wetting action
- Completely non-corrosive and electrically non-conductive
- 60% tin 40% lead
- 1 lb. spool of solder

Part Number	Diameter	Description	Price per ea.
29-1152-00	0.62	Kester "44"	19.55
29-1050-00	0.31	Kester "44"	20.80

DS600 PORTABLE DESOLDERING STATION



- Self-contained vacuum system requires 120 volts 60 Hz A.C. power source
- Designed for use in service applications where portability or a lack of a suitable air source requires a self contained unit
- Conveniently placed push button allows right or left handed operation
- Desoldering head temperature controlled to 7000F included
- Carrying handle
- Power cord storage
- Built in iron holder
- UL listed
- Weighs 11 lbs.
- Ref. No. DS600

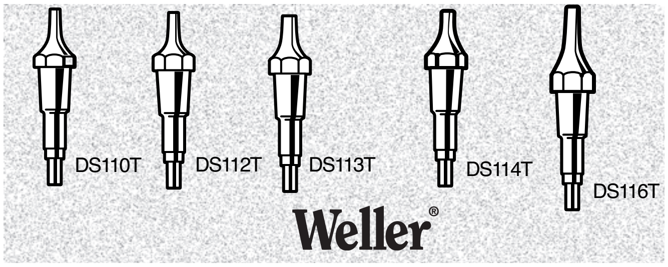
Part Number		Price per ea.
94-0600-00	DS600 Portable Desoldering Station	1144.70

Replacement Parts

Part Number	Ref. No	Description	Price per ea.
94-0103-00	DS103	Collect Tube with Gas	12.10
94-0104-00	DS104	Clean-out Tool	13.08
94-0106-00	455	Sponge	2.99
94-0245-00	EC234	Heater Assembly	21.76
94-0060-00	SW60	Switch Assembly	34.52
94-0205-00	DS205	Inline Filter	9.86
94-0204-00	DS204	Filter	2.52
94-0209-00	DS209	Cleaner Kit	13.42
94-0218-00	DS218T	Desolder Head	111.16
94-0316-00	EC219	Rocker Switch	20.32

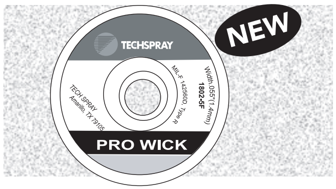
REPLACEMENT TIPLETS FOR DS600 AND DS800

- Stainless steel liner brazed to tiplet for better heat transfer
- Iron, nickel and chrome plated, then tinned tiplet



Part Number	Ref. No.	OD	ID	Reach	Price per ea.
94-0110-00	DS110T	.062"	.024"	.50"	16.12
94-0112-00	DS112T	.078"	.031"	.50"	16.12
94-0113-00	DS113T	.093"	.046"	.50"	16.12
94-0114-00	DS114T	.125"	.073"	.50"	16.12
94-0116-00	DS116T	.093"	.043"	.75"	16.12

PROWICK® DESOLDERING BRAID



- Advanced braid design works instantly to pull in excess solder
- Pure copper braid construction enhances wicking action
- Mildest non-activated white rosin flux ensures safe, clean operation
- Vacuumed-packaged for longer shelf life

Part Number		Width	Length	Price per ea.
80-0012-00	#1 White Fine Braid	.035″	5′	2.10
94-0010-00	#1 White Fine Braid	.035″	25′	9.05
80-0016-00	#2 Yellow Fine Braid	.055″	10′	3.85
80-0017-00	#2 Yellow Fine Braid	.055″	25′	9.05
80-0022-00	#3 Green Fine Braid	.075″	5′	2.10
80-0018-00	#3 Green Fine Braid	.075′	10′	3.95
80-0020-00	#3 Green Fine Braid	.075′	25′	9.05
80-0040-00	#4 Blue Fine Braid	.098″	5′	2.30
80-0030-00	#4 Blue Fine Braid	.098″	10′	4.30
80-0034-00	#4 Blue Fine Braid	.098″	25′	9.35
80-0023-00	#4 Blue Fine Braid	.098″	100′	36.10

DESOLDERING BRAID

- 5′ spools
- Pure copper

Part Number	Color Code	Width	Price per ea.
29-1149-00	Yellow #2	.025″	3.25
29-1046-00	Gold #2	.050″	3.25
29-1148-00	Green #3	.075″	3.25
29-1147-00	Blue #4	.100″	3.25

KESTER FLUX-PEN

- The Kester Flux-Pen® is a unique tool for rework and touch-up soldering
- It allows controlled application of flux, eliminating the mess from flux bottles
- Flux-Pen® are ideally suited for surface mount rework, component add-on applications, and TAB assembly operations.
- The two available formulas are:

Formula	Flux Type
"RMA"	No-Clean 951
Low Solids	No-Clean

Part Number		Price per ea.
29-0111-00	Formula 186 Flux-Pen	6.05
29-0140-00	Formula 951 Flux-Pen	6.05

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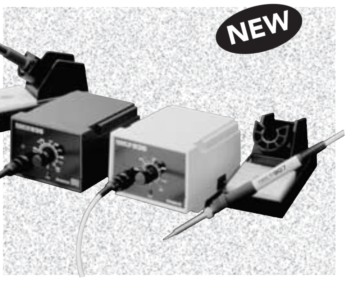
HAKKO 936 SOLDER STATION



- Compact unit; takes up little space on the workbench.
- Soldering irons have thinner grips for easier use.
- Lock screw prevents inadvertent changes to the temperature setting.
- Power consumption: 60W

Station

Output Voltage	24V AC
Temperature	200°C - 480°C (392°F - 896°F)
Temperature Stability	±1.0°C (1.8°F)
Outer Dimensions (w/o cord)	120(W) x 93(H) x 170(D) mm 4.7(W) x 3.7(H) x 6.7(D) in.
Weight (w/o cord)	Approx. 1.3 kg (2.9 lbs)

Iron

Model Name	900S 900SESD	907 907ESD	908 908ESD
Type	Small	Medium	Large
Style	Regular ESD	Regular ESD	Regular ESD
Power Consumption	AC; 24V/50W		
Standard Tip	900S-T-I	900M-T-1.6D	900L-T-3.2D
Tip to Ground Resistance	Under 2 ohms		
Tip to Ground Potential	Under 2 mV (Typ. 0.6 mV)		
Heating Element	Ceramic heater		
Total Length (w/o cord)	176 mm (7 in.)	190 mm (7.5 in.)	200 mm(7.9 in)
Weight (w/o cord)	25 g (0.06 lbs)	44 g (0.09lbs)	54 g (0.12 lbs)

Part Number		Price per ea.
92-1215-00	Hakko 936 ESD Soldering Station	153.00
92-1251-00	Hakko 936 Non-ESD Soldering Station	133.18

HAKKO SOLDERING IRON

- Both the Hakko 455 and 456 incorporate a ceramic heating element, which provides a longer service life than the conventional nichrome-iron element.
- Alloy-coated iron tips ensure long-lasting protection from corrosion
- The Hakko 455 is perfect for soldering tuners, inverters, and similar small components

Part Number	455-16
Power Consumption	40W
Standard Tip	A1052
Heating Element	Ceramic Heater
Max. Temperature	599°C (1110°F)
Total Length	215mm (8.5 in.)
Weight	100 g (0.2 lb.)

Part Number		Price per ea.
92-1258-00	Hakko 455-16 Soldering Iron	68.08

HAKKO FP-101 SOLDERING STATION

The Next Generation in Low Cost and High Performance

Building on the power and success of the Hakko FM-202, the Hakko FP-101 delivers the same superior heat transfer and thermal recovery using revolutionary quick change composite tips.

Selectable temperature ranges allow you to change the operating temperature range of the tip at the "touch of a button" without changing components of the station. The lock out keycard provides process control allowing you to lock in the operating temperature range. The Hakko FP-101 also features an automatic shutoff for safety which will turn off the power to the tip if the station is left idling for 30 minutes.

- The Hakko FP-101 case design allows additional stations to be stacked, conserving your valuable workspace.
- Superior Thermal Recovery
- Automatic Power Shut-off
- Lock Out Control of set temperature range
- Connector LED indicating iron is on
- Modular Design
- Ergonomic grip
- ESD safe by design.

Power Consumption	75W
Temperature Ranges	6.5~343°C(~650°F)
	7.0~371°C(~700°F)7.5
	~399°C (~750°F) 8.0 ~427°C (~800°F)
Temperature Stability	±5°C (±9°F) at idle temperature

Station

Output Voltage	24V
Outer Dimensions	120(L) x 93(W) x 140(H) mm 4.7(L) x 3.7(W) x 5.5(H) in.
Weight	1.4 kg (3.1 lbs.)

Soldering Iron

Power Consumption	70W (24V)
Tip to Ground Resistance	Under 2 ohms
Tip to Ground Potential	Under 2mV
Total Length (w/o cord)	188 mm (7.4 in.) with T7-D24 tip
Weight (w/o cord)	30 g (0.067 lb./1.07 oz.) with T7-D24 tip
Cord	1.2m (4 ft.)

Part Number		Price per ea.
92-1219-00	Hakko FP-101 Soldering Station	305.10

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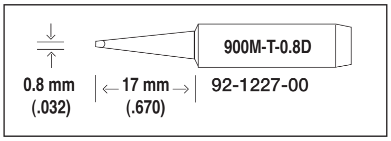
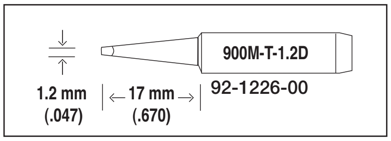
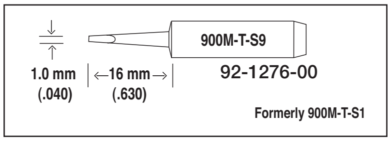
HAKKO TIPS FOR 900M/907/913 SERIES

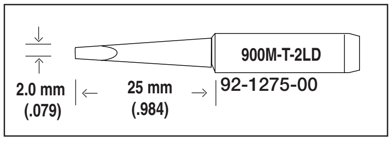
- High quality, long life tips
- Designed and manufactured for maximum heat conductivity and performance

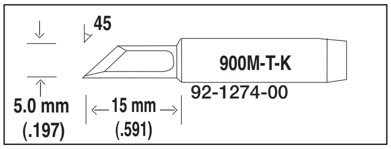
NEW

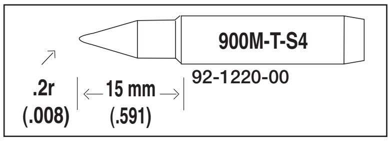


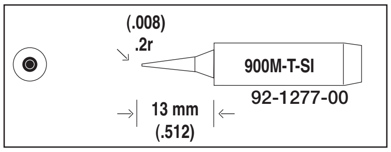












Part Number		Price per ea.
92-1227-00	900M-T-0.8D	9.70
92-1226-00	900M-T-1.2D	8.15
92-1276-00	900M-T-S9	9.48
92-1275-00	900M-T-2LD	9.18
92-1274-00	900M-T-K	13.58
92-1220-00	900M-T-S4	9.60
92-1277-00	900M-T-SI	9.88

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HAKKO 191B THERMOMETER

NEW

- Fast, accurate, tip temperature measurements using a fine CA wire sensor (dia. 0.2mm)
- Large, easy-to-read digital temperature display.
- The sensor with special metal alloy coating (pat. pending) resists corrosion and oxidation.
- Quick and easy sensor replacement.

Type	Fahrenheit
Resolution	1°F
Range of Measurement	0°F - 1200°F
Applied Sensor	K(CA) Thermocouple
Precision	±6°F (572°F - 932°F)
Display	a) 3.5 - digital liquid crystal display b) Battery alarm c) Burn out
Power Supply	006P, 9V dry battery
Battery Life	More than 150 hours
Outer Dimensions	160(W) x 45(H) x 80(D) mm (6.3(W) x 1.8(H) x 3.1(D) in.)
Weight	Maximum 1 kg (2.2 lbs.)
Environmental Temperature Range	0°F - 104°F

Part Number		Price per ea.
92-1256-00	Hakko 191B Thermometer	236.97

HAKKO 850D HOT AIR REWORK SYSTEM

The Hakko 850D comes with a control card which makes SMD Rework process control easy. Use the card to enter temperature settings into the system memory. When the card is removed, all parameter settings and the temperature setting are "locked" in the system memory. This not only provides strict process control, but also guards against operators making inadvertent changes.

NEW

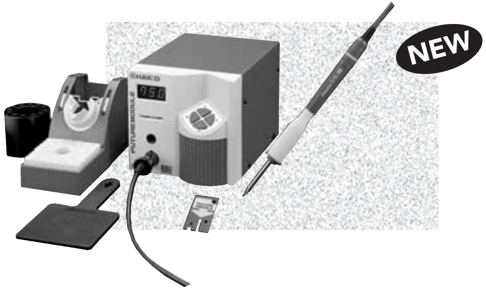
- Digital temperature display.
- Airflow adjustment
- Self-contained air source.
- ESD safe by design.
- Auto cool-down mode for safety
- Over 40 nozzle styles available
- **Power Consumption** 410W/120V AC

Station	
Power Consumption	30W
Pump	Diaphragm pump
Capacity	23 l/min. (MAX.)
Outer Dimensions	160(W) x 148(H) x 263(D) mm (6.3(W) x 5.83(H) x 10.35(D) in.)
Weight	Approx. 4.7 kg (10.35 lbs.)
Iron	
Power Consumption	380W
Method of Temperature Control	Sensor feed back
Hot Air Temperature	100°C - 420°C (212°F - 788°F) measured at sensor
Switch for Start/Stop	Built into the handle
Length (w/o cord & hose)	200 mm (7.87 in.)
Weight (w/o cord & hose)	200 g (0.44 lb.)

Part Number		Price per ea.
92-1216-00	Hakko 850D Hot Air Rework System	965.30

HAKKO FM-202 SOLDERING STATION

A New Revolutionary Soldering Station
The Hakko FM-202 is the first in a series of modular soldering, desoldering, and rework stations to be introduced by American Hakko. The FM-202 features revolutionary quick change composite tips that provide superior heat transfer and thermal recovery at any temperature. Adjustable temperature eliminates the need to purchase additional tips just to change temperature, reducing the total cost of ownership. The unit also features an industry first process gate that identifies the tip being used and configures the station accordingly to ensure tip temperature accuracy. Additional features also include auto shutoff, and low temperature alarm, all in a modular ESD safe design



- Process Gate identifies tip in use and ensures accuracy of tip temperature
- Accurate tip temperature between 400°F and 840°F.
- Superior Thermal Recovery
- Automatic Power Shut-off
- Low Temperature Alarm
- Lock Out Control of set temperature
- Connector LED indicating iron is on
- Modular Design
- Ergonomic grip
- ESD safe by design.

Part Number		Price per ea.
94-0348-00	Hakko FM-202 Soldering Station	566.65

Power Consumption	75W (Max. 130W)
Temperature Range	200°C - 450°C (400°F - 840°F)
Temperature Accuracy	±10°C (±18°F) of set temperature (Fig.1)
Temperature Stability	±5°C (±9°F) at idle temperature

Station

Output Voltage	24V
Outer Dimensions	178(L) x 119(W) x 117(H) mm 7.0(L) x 4.7(W) x 4.2(H) in.
Weight	2.7 kg (5.9 lbs.)

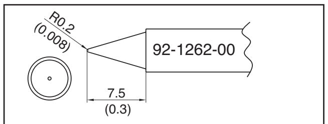
Soldering Iron

Power Consumption	70W (24V)
Tip to Ground Resistance	Under 2 ohms
Tip to Ground Potential	Under 2mV
Total Length (w/o cord)	188 mm (7.4 in.) with T7-D24 tip
Weight (w/o cord)	30 g (0.067 lb./1.07 oz.) with T7-D24 tip
Cord	1.2m (4 ft.)

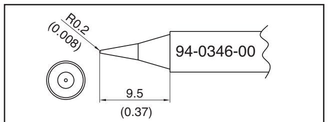
HAKKO TIPS FOR FM-202 SOLDERING STATION

NEW

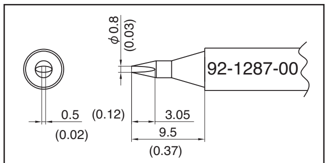
- High quality, long life tips
- Designed and manufactured for maximum heat conductivity and performance



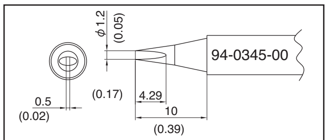
T7-B SHAPE-B Conical



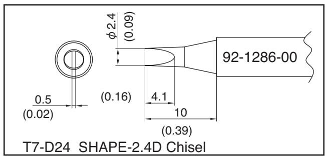
T7-I SHAPE-I Sharp Conical



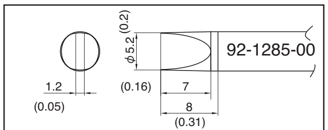
T7-D08 SHAPE-0.8D Chisel



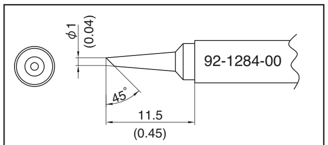
T7-D12 SHAPE-1.2D Chisel



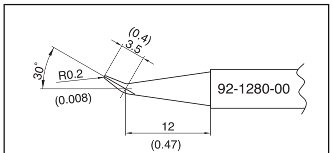
T7-D24 SHAPE-2.4D Chisel



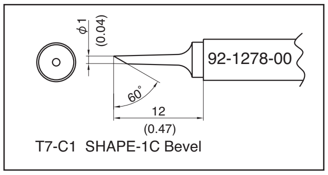
T7-D52 SHAPE-5.2D Chisel



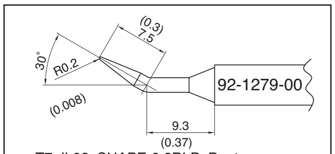
T7-BC1 SHAPE-1BC Bevel



T7-J02 SHAPE-0.2RSB Bent



T7-C1 SHAPE-1C Bevel



T7-JL02 SHAPE-0.2RLB Bent

Part Number	Hakko No.	Price per ea.
92-1262-00	T7-B	15.98
94-0346-00	T7-I	21.75
92-1287-00	T7-D08	15.98
94-0345-00	T7-D12	21.45
92-1286-00	T7-D24	15.98
92-1285-00	T7-D52	15.98

Part Number	Hakko No.	Price per ea.
92-1284-00	T7-BC1	15.98
92-1278-00	T7-C1	21.29
92-1280-00	T7-J02	15.97
92-1279-00	T7-JL02	21.29

HAKKO 472D DESOLDERING TOOL

Desoldering process control made easy with the Hakko control card. The Hakko 472D comes with a control card. Use the card to enter temperature settings into the system memory. When the card is removed, all parameter settings and the temperature setting are"locked" in the system memory. This not only provides strict process control but also guards against operators making inadvertent changes.

- The Hakko 472D provides a pencil-type desoldering tool with powerful suction power.
- The short straight heating element aids in ease of operation
- The output circuit is isolated from the power input and insulated transformer.
- ESD Safe by design.
- Zero crossover switching on motor

Part No.	472D-01
Output Voltage	24V AC
Power Consumption	110W
Vacuum Generator	Vacuum pump, double cylinder type
Vacuum Pressure	80 kPa (600 mmHg) (24 in. Hg)
Suction Flow	15 l/min.
Motor Output	18W
Outer Dimensions	160 x 148 x 263 mm (6.3 x 5.83 x 10.35 in.)
Weight	Approx. 4.6 kg (10.13 lbs.)

Desoldering Handpiece

Model Name	807
Part No.	C1091
Heating Element	Ceramic Heater
Power Consumption	24V AC/60W
Nozzle-to-Ground Resistance	Under 2 ohms
Nozzle-to-Ground Potential	Under 2 mV
Temperature	350°C - 450°C (662°F - 842°F)
Standard Nozzle	A1003 (Nozzle dia. 1.0mm)
Length	250 mm (8.07 in.)
Weight (w/o cord & hose)	

Part Number		Price per ea.
92-1218-00	Hakko 472D-01 Desoldering Tool	595.70

HAKKO 808 DESOLDERING TOOL

The Hakko 808 is a handy, portable desoldering tool with a built-in vacuum pump. No separate station is required.

Thin, comfortable grip and low vibration. This unique Hakko design places the pump and motor above, not inside, the grip. Vibration is kept to a minimum, and the grip is thin and easy to hold. Delicate tasks are performed with greater ease; the tool can be used for long periods without operator fatigue.

Simple and inexpensive pump maintenance.
The new, miniature, high-performance diaphragm pump is housed in the chamber at the rear of the Hakko 808. Pump maintenance is quick and easy-simply remove the cover. If repairs are ever needed, replacement parts are inexpensive.

- Tip-to-ground potential difference no greater than 2mV.
- Tip-to-ground resistance no greater than 2 ohms.
- Adjustable temperature control (380°C - 480°C / 715°F - 895°F).
- Includes Carrying Case and Hot Sock (PN: Carrying Case - C1099 and Hot Sock - 605M)

Specifications

Part No.	808-KIT/P
Power Consumption	100W
Heating Element	Ceramic heater
Motor Output	6.5W
Temperature	380°C - 480°C (715°F - 895°F)
Tip to Ground Resistance	Under 2 ohms
Tip to Ground Potential	Under 2mV
Vacuum Pump	Double-cylinder diaphragm pump
Vacuum Pressure	600 mmHg (24 in. Hg)
Suction Flow	10 l/min.
Dimensions (w/o Case) (6.7(H) x 9.3(W) in.)	170(H) x 235(W) mm
Weight (w/o Case)	420 g (0.9 lb.)
Standard Nozzle	A1005 (Nozzle dia. 1.0mm)

Part Number		Price per ea.
92-1253-00	Hakko 808 Desoldering Tool	221.66

HAKKO 853 PRE-HEATER

- Compact design
- Fast Heating
- Excellent thermal stability
- Temperature control with closed loop sensor
- ESD safe by design
- Model Name 853-2
- Power Consumption 500W/120VAC
- Hot Air Temperature 120°C - 250°C (248°F - 482°F)
- Air Flow 0.18 cu.m/min (6.35 cu.ft/min)
- Outer Dimensions 140(w) x 50(h) x 170(d) mm 5.5(w) x 2.0(h) x 6.7(d) in
- Weight (w/o cord) 1kg (2.2 lbs)

Part Number		Price per ea.
92-1255-00	Hakko 853 Pre-Heater	595.70

DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

e-mail notification and order **tracking information** is now available from Happ Controls! Contact your sales representative or e-mail our customer service department at:
info@happcontrols.com
with your account information.

HAKKO 493 SMOKE ABSORBER

- Soldering work involves both metallic and organic compounds; the solders themselves, and the fluxes necessary for soldering.
  These compounds release noxious fumes when heated, which can lead to both short and long term operator irritations and illness.
- The Hakko 493 is designed to remove these noxious fumes quickly, safely, and efficiently.
- The replaceable filter is made by joining a specific urethane foam with refined, activated high absorption carbon.
- The fan is fully adjustable, quiet, and efficient.

ESD safe by design. The entire unit is processed with a non-sloughing static dissipative conductive material.

HAKKO

Absorption Capacity (w/o filter)	Approx. 1.07m?/min. (37.79 ft?/min.)
Outer Dimensions	220(W) x 270(H) x 168(D) mm 8.7(W) x 10.6(H) x 6.6(D) in.)
Weight	1.5 kg (3.3 lbs.)
Accessories	Filter (3 pcs.)
Activated-Carbon Filter	
Size	130 x 130 x 10 mm (5.1 x 5.1 x 0.4 in.)
Amount of Activated-Carbon filter	12 g (0.03 lb.)

Max. Absorbing weight of noxious components per filter 4 g (0.01 lb.)

Part Number		Price per ea.
92-1260-00	Hakko 493 Smoke Absorber	110.67

HAPP CONTROLS SELLS BRAND NAME QUALITY

PACE TW 100 TEMPWISE™ DIGITAL SOLDERING STATION

- TempWise™ TW 100 with InstaCal™ offers you the option of unsurpassed temperature accuracy, specification conformance and verification
- Now you can enjoy the comfort, convenience and performance of a Tip Cartridge System with the legendary accuracy and repeatability that you expect from PACE
- Simply insert the desired tip geometry into the handle, select your temperature and touch the tip to the InstaCal™ Sensor which plugs right into the power source
- In just seconds, the system is calibrated to operate within +/- 15°C (27°F)
- Even if you change temperatures, the system and tip stay in calibration
- When changing tips, the system will prompt the user to calibrate so you can always be sure your operating temperature meets your process specification, unlike other systems
- Ref. No. 8007-0389

Features

Calibration Requirement:	Self-Calibrating with InstaCal Module
Thermal Management System:	Microprocessor control with digital user interface
C/F Display Option	Yes
Temperature Lockout:	Yes, using password.
Temperature Setback:	Yes, user selected up to 90 minutes
Auto Off:	Yes, user selected up to 90 minutes
User Defined Operating Temperature Range:	Yes
Heat Level / Temperature Selection:	LED Display and Keyboard
Operating Heat Level / Temperature Visible:	Yes, LED Display
Handpiece:	TC 100
ESD Safe Housing:	Yes
Can be mounted under a shelf or workbench	Yes, with optional mounting bracket

Specifications

Power Requirements:	97-127 VAC, 50/60 Hz, 80 Watts maximum 197-253 VAC, 50/60 Hz, 80 Watts maximum
Dimensions:	184mm H x 107mm W x 122mm D (7.25″ H x 4.2″ W x 4.8″ D)
Tip & Toll Stand Dimensions:	71mm H x 88mm W x 195mm D (2.8″ H x 3.5″ W x 7.7″ D)
Weight:	1.6Kgs (3.5lbs)
TC 100 Hand Piece Weight:	88.2g (3.1oz)
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 5°C (± 9°F) at idle tip temp.
Absolute Temperature Accuracy:	Within ± 15°C (27°F)
Tip Temperature Range:	260°C - 425°C (500°F - 800°)

Part Number		Price per ea.
92-1446-00	Pace TW 100 TempWise™ Digital Soldering Station	350.00

PACE HW 100 HEATWISE™ SOLDERING STATION

- HeatWise™ senses the thermal demand of the work and responds immediately by delivering the exact amount of power required to reflow the joint, at safer, lower temperatures
- HeatWise™ responds with high power so you won't run out of heat before the job is complete
- Calibration not required
- No dials, buttons or read-outs
- Making high quality solder joints is easier than ever before, even for your less experienced operators!
- Working with lead free solder? Not a problem for HeatWise™ technology!
- Making high quality lead free solder joints is just as easy, even with these more challenging alloys
- Ref. No. 8007-0387

Features

Calibration Requirement:	None
Thermal Management System:	Microprocessor control with fixed performance level selected by Power Module
C/F Display Option	Not Applicable
Temperature Lockout:	Yes, using Power Modules. Operators access of Power Modules can be easily restricted.
Temperature Setback:	Yes, fixed to 30 minutes (can be disabled)
Auto Off:	Yes, fixed to 30 minutes (can be disabled)
User Defined Operating Temperature Range:	No
Heat Level / Temperature Selection:	Power Module
Operating Heat Level / Temperature Visible:	Yes, color coded Power Modules (5, 6 and 7 Power Modules supplied as standard)
Hand Piece:	TC 100
ESD Safe Housing:	Yes
Can be mounted under a shelf or workbench	Yes, with optional mounting bracket

Specifications

Power Requirements:	97-127 VAC, 50/60 Hz, 80 Watts maximum 197-253 VAC, 50/60 Hz, 80 Watts maximum
Dimensions:	184mm H x 107mm W x 122mm D (7.25" H x 4.2" W x 4.8" D)
Tip & Toll Stand Dimensions:	71mm H x 88mm W x 195mm D (2.8" H x 3.5" W x 7.7" D)
Weight:	1.6Kgs (3.5lbs)
TC 100 Handpiece Weight:	88.2g (3.1oz)
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 5°C (± 9°F) at idle tip temp.
Absolute Temperature Accuracy	N/A
Tip Temperature Range:	260°C - 425°C (500°F - 800°F)

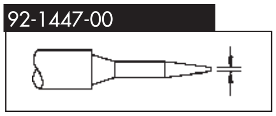
Part Number		Price per ea.
92-1445-00	PACE HW 100 Heatwise™ Soldering Station	199.00

PACE HEATWISE™ AND TEMPWISE™ TIPS

NEW

- Wide variety of long life tips
- Superior heat transfer capability

92-1447-00



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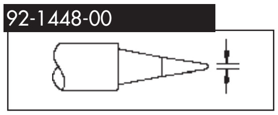

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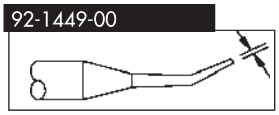

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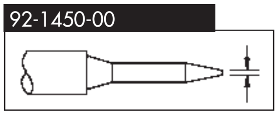

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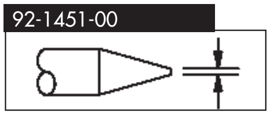

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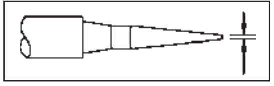

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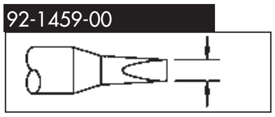

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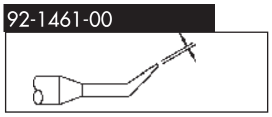

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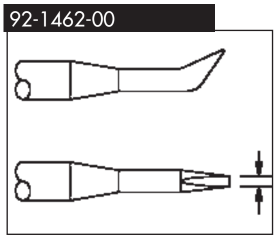

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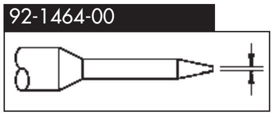

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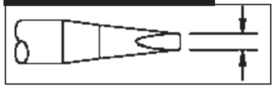

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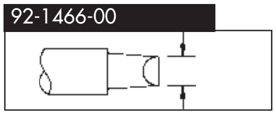

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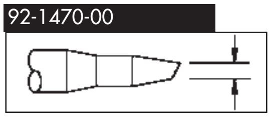

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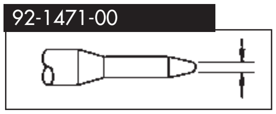

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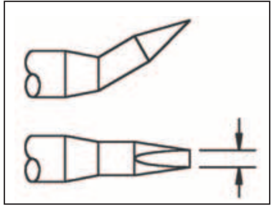

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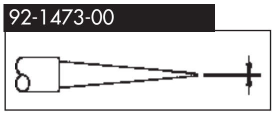

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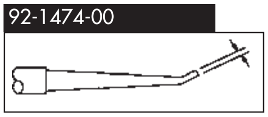

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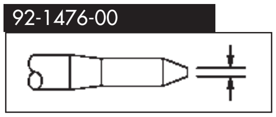

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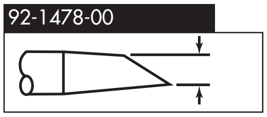

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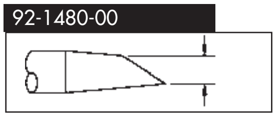

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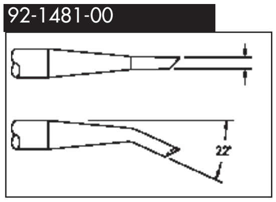

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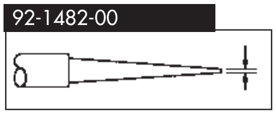


Part Number	Ref. No.	Description	SIZE - L	SIZE - D	Price per ea.
92-1447-00	1124-0001-P1	1/32″ Conical Sharp Extended	13.4mm (0.530″)	0.80mm (0.031″)	7.95
92-1448-00	1124-0002-P1	1/64″ Conical Sharp	8.3mm (0.330″)	0.40mm (0.016″)	7.95
92-1449-00	1124-0003-P1	1/64″ Conical Sharp Bent 30 Degrees	7.8mm (0.310″)	0.40mm (0.016″)	6.95
92-1450-00	1124-0004-P1	1/64″ Conical Sharp Extended	13.5mm (0.535″)	0.40mm (0.016″)	7.95
92-1451-00	1124-0005-P1	1/32″ Conical	4.7mm (0.188″)	0.80mm (0.031″)	6.95
92-1457-00	1124-0011-P1	1/64″ 60 Degree Bevel	14.7mm (0.580″)	0.40mm (0.016″)	6.95
92-1459-00	1124-0013-P1	3/32″ 30 Degree Chisel	9.9mm (0.390″)	2.40mm (0.094″)	6.95
92-1461-00	1124-0015-P1	1/64″ Conical, Sharp, Bent 30 Degrees Extended	15.8mm (0.625″)	0.40mm (0.016″)	7.95
92-1462-00	1124-0016-P1	3/64″ Chisel Bent 30 Degrees	10.7mm (0.425″)	1.20mm (0.047″)	8.95
92-1464-00	1124-0018-P1	1/32″ Conical Sharp Extended	16.7mm (0.660″)	0.80mm (0.031″)	7.95
92-1465-00	1124-0019-P1	1/16″ 30 Degree Chisel	9.9mm (0.390″)	1.60mm (0.063″)	8.19
92-1466-00	1124-0020-P1	1/8″ 90 Degree Chisel	4.8mm (0.190″)	3.20mm (0.125″)	6.95
92-1470-00	1124-0024-P1	1/16″ 30 Degree Bevel	9.9mm (0.390″)	1.60mm (0.063″)	6.95
92-1471-00	1124-0025-P1	1/16″ Conical Sharp Extended	12.1mm (0.478″)	1.60mm (0.063″)	6.95
92-1472-00	1124-0026-P1	1/16″ Chisel Bent 30 Degrees	9.7mm (0.385″)	1.60mm (0.063″)	6.95
92-1473-00	1124-0027-P1	3/128″ Conical Sharp	15.2mm (0.600″)	0.60mm (0.023″)	7.95
92-1474-00	1124-0028-P1	3/64″ Chisel, Bent 30 Degrees, Extended	21.8mm (0.860″)	1.20mm (0.047″)	8.95
92-1476-00	1124-0030-P1	1/32″ Conical Sharp	9.9mm (0.390″)	0.80mm (0.031″)	6.95
92-1478-00	1124-0032-P1	MiniWave	N/A	6.35mm (0.25″)	6.95
92-1480-00	1124-0034-P1	Single Sided Chisel	N/A	6.35mm (0.25″)	6.95
92-1481-00	1124-0035-P1	Angled MiniWave, 2.4mm	N/A	3.04mm (0.12)	8.95
92-1482-00	1124-0036-P1	1/128″ Conical	N/A	0.19mm (0.007)	9.52
92-1483-00	1124-0037-P1	1/4 Flat Blade	N/A	6.35mm (0.25″)	6.95

PACE MBT 201A SOLDERING / DESOLDERING SYSTEM

- Analog High Performance SensaTemp Soldering/Desoldering Station
- Self-contained, high capacity, low temperature SMT/Thru-Hole soldering with dual channel capability
- Full SMT upgradeability by adding our other SensaTemp hand pieces (TJ-70 ThermoJet, TP-65 ThermoPik or DTP-80 Dual ThermoPik).
- AUTO Snap-VAC improves thru-hole desoldering performance, increases tip life—a PACE EXCLUSIVE feature
- QUIET FLO" pump for vacuum and pressure
- Dual channel capability
- Controllable Air Pressure Port

Specifications

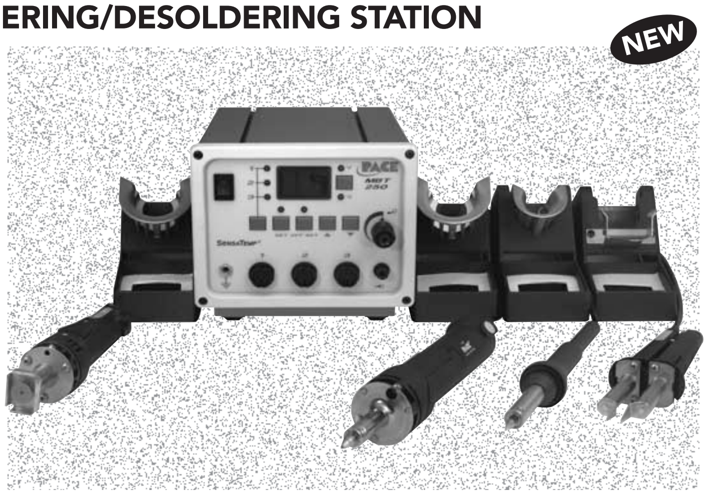
Unit:	MBT 201-SD MBT 201E-SD
Power Requirements:	115VAC, 60Hz, 230VAC, 50/60Hz, 184 Watts maximum 207 Watts maximum
Dimensions:	135mm H x 165mm W x 203mm D (5.3" H x 6.5" W x 8.0" D)
Weight:	Approx. 4 Kg (8 lbs.) Approx. 4 Kg (8 lbs.)
Handpiece Specs	
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	232° to 482°C (450° to 900°F) nominal
Vacuum and Air	
Vacuum Rise Time:	200ms average as measured by PACE Process Monitor
Vacuum:	51 cm Hg. (20 in. Hg.) nominal
Pressure:	.48 Bar (7 p.s.i.) nominal at maximum setting
Air Flow:	9 SLPM (0.32 SCFM) maximum

PACE® worldwide

Part Number		Price per ea.
92-1441-00	PACEMBT 201A Soldering/Desoldering System	850.00

PACE MBT 250-SDTP SOLDERING/DESOLDERING STATION

- Self-contained, three channel capability offers high capacity, low temperature SMT/Thru-Hole soldering and desoldering
- Digital readout displays the current channel's temperature information, error codes and programming status
- AUTO Snap-VAC improves thru-hole desoldering performance, and increases tip life—a PACE EXCLUSIVE feature
- "QUIET FLO" pump for vacuum and pressure
- Operates any three SensaTemp hand pieces simultaneously
- Automatic or manual tip temperature setback and power down, constant memory
- Automatic tip offset compensation system



Specifications

Power Requirements:	115VAC, 60Hz, 230VAC, 50/60Hz, 184 Watts maximum 207 Watts maximum
Dimensions:	135mm H x 165mm W x 260mm D 135mm H x 165mm W x 260mm D (5.3" H x 6.5" W x 9.25" D) (5.3" H x 6.5" W x 9.25" D)
Weight:	Approx. 5 Kg (10 lbs.) Approx. 5 Kg (10 lbs.)
Hand Piece Specs	
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	38° to 482°C (100° to 900°F) nominal
Vacuum and Air	
Vacuum Rise Time:	200ms average as measured by PACE Process Monitor
Vacuum:	51 cm Hg. (20 in. Hg.) nominal
Pressure:	.48 Bar (7 p.s.i.) nominal at maximum setting
Air Flow:	9 SLPM (0.32 SCFM) maximum

PACE® worldwide

Part Number		Price per ea.
92-1440-00	Pace Mbt 250-SDTP Soldering/Desoldering Station	1665.00

PACE MBT 250-SD SOLDERING/DESOLDERING SYSTEM

- High Performance SensaTemp Soldering/Desoldering Station
- Self-contained, three channel capability offers high capacity, low temperature SMT/Thru-Hole soldering and desoldering
- Digital readout displays the current channel's temperature information, error codes and programming status.
- AUTO Snap-VAC improves thru-hole desoldering performance; increases tip life—a PACE EXCLUSIVE feature
- "QUIET FLO" pump for vacuum and pressure
- Operates any three SensaTemp handpieces simultaneously
- Automatic or manual tip temperature setback and power down, constant memory
- Automatic tip offset compensation system

Specifications	
Power Requirements:	115VAC, 60Hz, 230VAC, 50/60Hz, 184 Watts maximum 207 Watts maximum
Dimensions:	135mm H x 165mm W x 260mm D 135mm H x 165mm W x 260mm D (5.3" H x 6.5" W x 9.25" D) (5.3" H x 6.5" W x 9.25" D)
Weight:	Approx. 5 Kg (10 lbs.) Approx. 5 Kg (10 lbs.)
Hand Piece Specs	
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	38° to 482°C (100° to 900°F) nominal
Vacuum and Air	
Vacuum Rise Time:	200ms average as measured by PACE Process Monitor
Vacuum:	51 cm Hg. (20 in. Hg.) nominal
Pressure:	.48 Bar (7 p.s.i.) nominal at maximum setting
Air Flow:	9 SLPM (0.32 SCFM) maximum

Part Number		Price per ea.
92-1439-00	Pace MBT 250-SD Soldering/Desoldering System	1100.00

PACE ST25 ANALOG SOLDERING STATION

- Analog SensaTemp Soldering Station
- High capacity SMT/Thru-hole soldering
- Adjustable °F/ °C temperature control dial
- Temperature/dial lock
- Modular stacking capabilities
- Ref. No 8007-0371

Specifications	
Unit:	ST 25
Power Requirements:	97-127 VAC, 50/60 Hz, 90 197-253 VAC, 50/60 Hz, 80 Watts maximum at 115 VAC, 60Hz Watts maximum at 230 VAC, 50Hz
Dimensions:	88mm H x 114mm W x 165mm D 88mm H x 114mm W x 165mm D (3.5" H x 4.5" W x 6.5" D) (3.5" H x 4.5" W x 6.5" D)
Weight:	Approx. 2.3 Kg (5 lbs.) Approx. 2.3 Kg (5 lbs.)

Hand Piece Specs	
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2°F) at idle from set tip temp.
Tip Temperature Range:	204° to 454°C (400° to 850°F) nominal

Part Number		Price per ea.
92-1444-00	PACE ST25 Analog Soldering Station	99.00

PACE ST45 DIGITAL SOLDERING STATION

- Digital system
- High capacity SMT/Thru-hole soldering
- Digital LED temperature readout
- Password lock
- Temperature setback and Auto-Off safety system
- Color-coded temperature control keys
- User-friendly electronics
- Modular stacking capabilities
- Ref. No. 8007-0379

Specifications

Unit:	ST 45
Power Requirements:	97-127 VAC, 50/60 Hz, 197-253 VAC, 50/60 Hz, 90 Watts maximum at 115 VAC, 80 Watts maximum at 230 VAC, 60Hz 50Hz
Dimensions:	88mm H x 114mm W x 165mm D 88mm H x 114mm W x 165mm D (3.5” H x 4.5” W x 6.5” D) (3.5” H x 4.5” W x 6.5” D)
Weight:	Approx. 2.3 Kg (5 lbs.) Approx. 2.3 Kg (5 lbs.)

Hand Piece Specs

Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2 °F) at idle from set tip temp

Part Number		Price per ea.
92-1443-00	PACE ST45 Digital Soldering Station	149.00

PACE ST75-SX ANALOG DESOLDERING SYSTEM

- Analog SensaTemp Desoldering Station, self contained
- Can be combined with a variety of other Thru-Hole or SMD desoldering handpieces
- Low profile aluminum extruded case
- Quiet vacuum pump
- Adjustable °F/ °C temperature control dial
- Exclusive Auto Snap-Vac
- Modular stacking capabilities
- Available as “Station Only”
- Portability Kit optional

Specifications

Unit:	ST 75 SX
Power Requirements:	97-127 VAC, 50/60 Hz, 197-253 VAC, 50/60 Hz, 90 Watts maximum at 115 VAC, 80 Watts maximum at 230 VAC, 60Hz 50Hz
Dimensions:	88mm H x 171mm W x 254mm D 88mm H x 171mm W x 254mm D (3.5” H x 6.75” W x 10” D) (3.5” H x 6.75” W x 10” D)
Weight:	Approx. 4 Kg (9 lbs.) Approx. 4 Kg (9 lbs.)

Hand Piece Specs

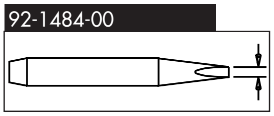
Tip to ground resistance:	2 ohms or less
Temperature stability:	± 1.1°C (± 2 °F) at idle from set tip temp.
Tip Temperature Range:	204° to 454°C (400° to 850°F) nominal
Vacuum and Air	
Vacuum Rise Time:	200ms average as measured by PACE Process Monitor
Vacuum:	51cm Hg. (20 in. Hg.) nominal
Pressure:	1.44 Bar (21 p.s.i.) nominal at maximum setting
Air Flow:	6 SLPM (0.22 SCFM) maximum

Part Number		Price per ea.
92-1571-00	PACE ST75-SX Analog Desoldering System	714.00

PACE PS-80/90 TIPS

NEW

92-1484-00



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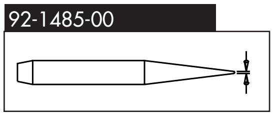

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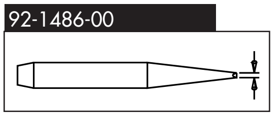

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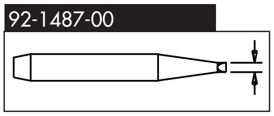

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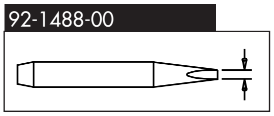

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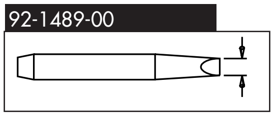

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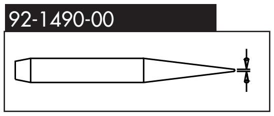

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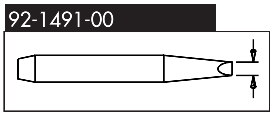

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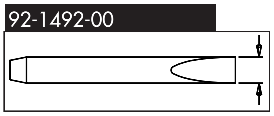

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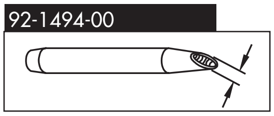

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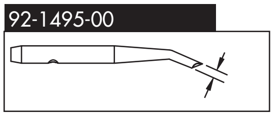

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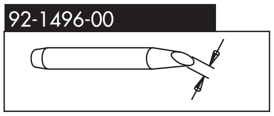

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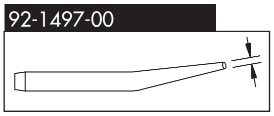

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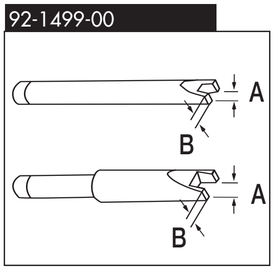
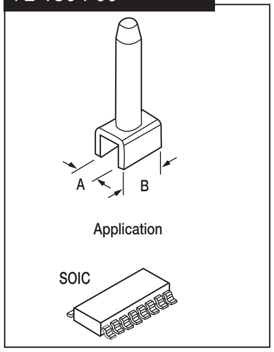


92-1500-00
92-1502-00
92-1504-00



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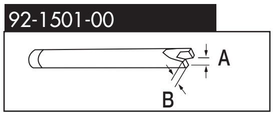

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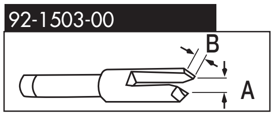


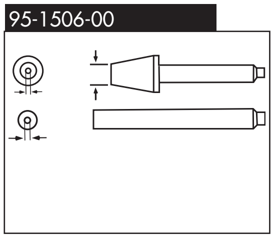
Part Number	Ref. No.	Description	Pkg Qty	Price per ea.
92-1484-00	1121-0414-P5	1/16” Chisel (High Conductivity)	5	27.55
92-1485-00	1121-0357-P5	1/64” Conical	5	27.55
92-1486-00	1121-0336-P5	1/32” Conical	5	27.55
92-1487-00	1121-0335-P5	1/16” Chisel	5	26.75
92-1488-00	1121-0499-P5	1/16” Chisel (Extended Reach)	5	27.55
92-1489-00	1121-0337-P5	1/8” Chisel	5	27.55
92-1490-00	1121-0359-P5	1/32” Chisel	5	27.55
92-1491-00	1121-0360-P5	3/32” Chisel	5	25.50
92-1492-00	1121-0363-P5	1/64” Bent Conical	5	26.75
92-1494-00	1121-0490-P5	Mini-Wave	5	34.51
92-1495-00	1121-0610-P5	Angled Mini-Wave	5	32.64
92-1496-00	1121-0406-P5	Single Sided Chisel	5	27.55
92-1497-00	1121-0564-P5	Mini-Wave, Fine Pitch	5	32.64
92-1499-00	1121-0303-P1	Surface Mount Chip Removal,.14x0.8	1	15.05
92-1500-00	1121-0392-P1	SOIC-16 Removal	1	34.13
92-1501-00	1121-0302-P1	Surface Mount Chip Removal	1	15.05
92-1502-00	1121-0390-P1	SOIC-8 Removal	1	32.77
92-1503-00	1121-0304-P1	SOT-23	1	15.05
92-1504-00	1121-0391-P1	SOIC-14 Removal	1	31.88

PACE DESOLDERING TIPS FOR SX-70 AND SX-80

NEW

- Sold in packages only

95-1506-00



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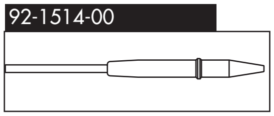

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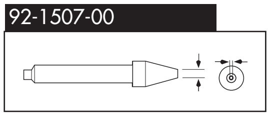

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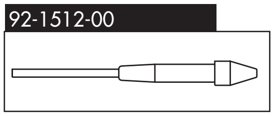

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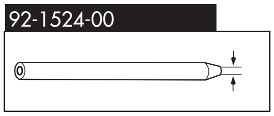

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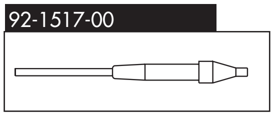

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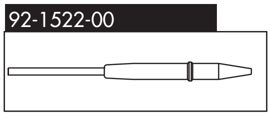

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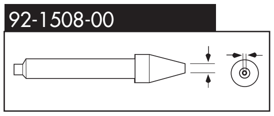

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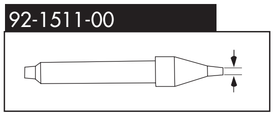

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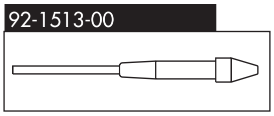

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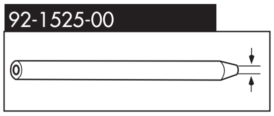

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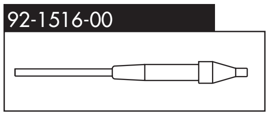

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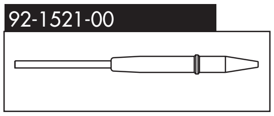

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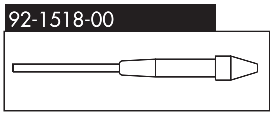

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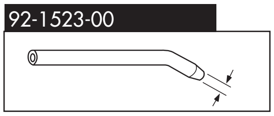

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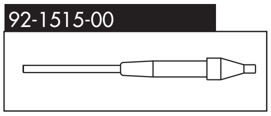

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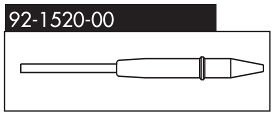

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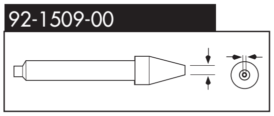


Part Number	Ref. No.	Size	Description	Pkg Qty	Price per ea.
92-1506-00	1121-0369-P5	3/16" O.D.	Flo-D-Sodr Tip	5	30.75
92-1514-00	1121-0680-P5	0.020" ID	Precision Endura Tip	5	21.63
92-1507-00	1121-0367-P5	0.030" ID	Thermo-Drive Desoldering Tip	5	31.67
92-1512-00	1121-0625-P5	0.030" ID	Thermo-Drive Endura Tip	5	42.23
92-1524-00	1121-0253-P5	0.030" ID	Micro Tip	5	12.36
92-1517-00	1121-0628-P5	0.030" ID	Thermo-Drive Endura Tip	5	41.00
92-1522-00	1121-0678-P5	0.030" ID	Precision Endura Tip	5	21.63
92-1508-00	1121-0342-P5	0.040" ID	Thermo-Drive Desoldering Tip	5	31.67
92-1511-00	1121-0494-P5	0.040" ID	Extended Reach Thermo-Drive Tip	5	29.58
92-1513-00	1121-0624-P5	0.040" ID	Thermo-Drive Endura Tip	5	44.23
92-1525-00	1121-0254-P5	0.040" ID	Micro Tip	5	12.36
92-1516-00	1121-0629-P5	0.040" ID	Thermo-Drive Endura Tip	5	40.55
92-1521-00	1121-0679-P5	0.040" ID	Precision Endura Tip	5	21.63
92-1528-00	1121-0216-P25	0.050" ID	Super Tip (Not Shown)	25	30.00
92-1518-00	1121-0626-P5	0.060" ID	Thermo-Drive Endura Tip	5	42.23
92-1523-00	1121-0255-P5	0.060" ID	Micro Tip	5	12.00
92-1515-00	1121-0630-P5	0.060" ID	Thermo-Drive Endura Tip	5	40.55
92-1520-00	1121-0690-P5	0.060" ID	Precision Endura Tip	5	21.63
92-1509-00	1121-0368-P5	0.060"ID	Thermo-Drive Desoldering Tip	5	31.67

Visit Our Web Site:
for **NEW** Product Updates!!

PACE SX-70 AND SX-80 SUPPLIES

NEW

Part Number	Ref. No.	Description	Price per pkg.
92-1529-00	1309-0018-P50	SX-70 Sodr-X-Tractor Filters, Pkg 50	15.14
92-1530-00	1309-0018-P10	SX-70 Sodr-X-Tractor Filters, Pkg 10	3.63
92-1531-00	1265-0009-P1	SX-70 Glass Chamber, Pkg 1	9.27
92-1532-00	1127-0006-P5	SX-70 Wire Brush 1/8”, Pkg 5	20.60
92-1533-00	6010-0080-P1	SX-70 Heater And Seal Assembly, Pkg 1	83.55
92-1541-00	1127-0014-P5	SX-70 Wire Brush 3/16”, Pkg 5	17.83
92-1535-00	6010-0106-P1	SX-80 Hand Piece, Pkg 1	241.02
92-1537-00	1309-0054-P10	SX-80 Flux/Sodr Trap, Pkg 10	11.33
92-1538-00	1309-0054-P100	SX-80 Flux/Sodr Trap, Pkg 100	101.97
92-1539-00	6010-0107-P1	SX-80 Heater Assembly, Pkg 1	83.55
92-1540-00	1213-0087	SX-80 Front Seal, Pkg 1	5.20
92-1541-00	1500-0063	SX-80 Plunger Lock, Pkg 1	17.83
92-1543-00	1309-0028	Replaceable Visifilter, Pkg 1	11.44
92-1544-00	1309-0027-P10	Replaceable Visifilter, Elements, Pkg 10	9.73
92-1545-00	1309-0027-P25	Replaceable Visifilter, Elements, Pkg 25	19.76

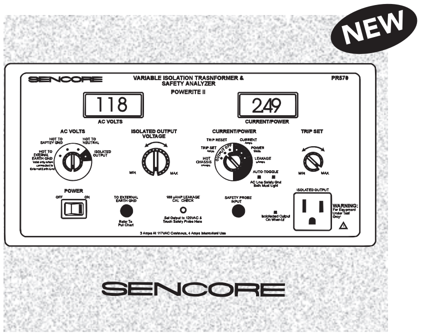
PACE SENSA TEMP SUPPLIES

Part Number	Ref. No.	Description	Price per ea.
92-1559-00	6993-0238-P1	PS-90 Hand Piece, Tip and Tool Stand	112.27
92-1560-00	6010-0095-P1	PS-80/90 21V Heater Assembly	52.00
92-1561-00	4021-0008-P3	Sponge for PS-80/90 Tip and Tool Stand, Pkg 3	10.40
92-1562-00	1100-0206	Tip Tool	9.36
92-1563-00	6993-0138	Tip Maintenance Station with Fiber and Sponge Tool	88.40
92-1566-00	1348-0547-P10	Set Screws for All Sensa Temp Hand Pieces, Pkg 10	9.36

SENCORE PR570 POWERITE II

Identify And Troubleshoot Virtually Any AC Supply Problem!

NEW



- Insure your safety and the safety of your test instruments whenever servicing electronic products
- Have complete confidence your AC line is right with the AC line monitor
- Watch voltage levels and current draw with simultaneous current and voltage displays
- Conquer AC power source problems plus startup, shutdown, and regulator failures with a digitally accurate
  and variable 0-140 volt AC supply
- An adjustable current trip feature minimizes expensive parts damage by automatically removing AC power when excessive current is being drawn
- An adjustable current trip feature minimizes expensive parts damage by automatically removing AC power when excessive current is being drawn
- Test AC outlets with an exclusive receptacle checker to ensure correct earth grounding for the highest level of safety
- Protect your customers from electrical shock and protect your business from lawsuit with an automatic, auto-toggling AC line and safety ground leakage test (leakage to 10 micro amps)

Isolated Output - VOLTAGE: 0-140 VAC typical at 117 VAC input, continuously variable. CURRENT: 3 amps continuous; 3-4 amps, 470 watts maximum intermittent use (5 minutes on, 5 minutes off). OUTPUT LOADING: Less than 12 volts drop in output with 3 amp load at 120 VAC.

AC Volts Functions - AC LINE VOLTAGE TESTS: Measures and displays the selected voltage: Hot to External Earth Ground, Hot to Safety Ground or Hot to Neutral. RANGE: 0-150 VAC. ACCURACY: ±3% reading ±2 counts, calibrated at 117 VAC. RESOLUTION: 1 volt. PROTECTION: 240 VAC. ISOLATED OUTPUT VOLTAGE: Measures and displays voltage at isolated output. Same as Line Voltage Tests.

Output Current Monitor - MEASUREMENT: True Power. RANGE: 0 to 470 watts. ACCURACY: ±5% of reading, ±2 counts. RESOLUTION: 1 watt.

Adjustable Current Trip - RANGE: 0-4 amps. ACCURACY: ±10% of reading, ±20 mA. RESOLUTION: Adjustable in 10 mA increments. TRIP TIME: 0.3 seconds max. with 200% overload.

Hot Chassis Test - MEASUREMENT: Ties high and low lead of primary together and measures leakage to exposed metal with power off. RANGE: 0 to 1999 μA. ACCURACY: ±3% of reading, ±2 counts. RESOLUTION: 1 μA. PROTECTION: 150 mA RMS, 150 V max.

Safety Leakage Test - MEASUREMENT: Referenced to either side of isolated output jack. (Automatically toggles high and low line and opens and closes safety ground and displays highest reading.) RANGE: 0 to 1999 μA. ACCURACY: ±3% of reading, ±2 counts. RESOLUTION: 1 μA. PROTECTION: 150 mA RMS, 150 V max. CAL CHECK: 100 μA, ±3% of reading, ±2 counts with isolated output at 120 VAC.

Protection - AC INPUT: 4 amps, type 3AG slo-blow fuse. ISOLATED OUTPUT: Adjustable current trip, 1 to 4 amps.

General - SIZE: 6” x 11.5” x 12” (15.2 x 25.4 x 29.2 cm) HWD. WEIGHT: 22 lbs. (10 kg). POWER: 105 to 125 VAC, 60 Hz, 4 amps idle current with no output load.

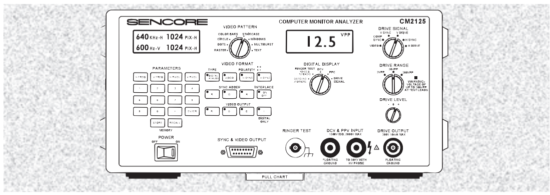
Part Number		Price per ea.
92-0312-00	Sencore PR570 PowerRite II	895.00

SENCORE CM2125 COMPUTER MONITOR ANALYZER

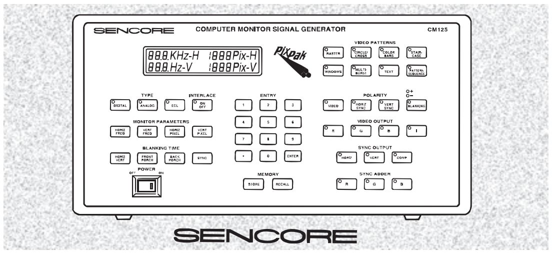
Completely Test And Troubleshoot High Resolution And Multi-Scan Computer Monitors From The Input Connector To The CRT!

- A complete, easy-to-use, high resolution computer monitor analyzer
- Special sync-locked signal substitutor for pinpointing monitor circuit problems
- Innovative performance pattern generator
- Patented "ringer" and HV multiplier tester that finds defective:
  - yokes
  - integrated high voltage transformers (IHVT)
  - switching transformers
- Integrated 2,000 volt DCV and PPV meter eliminates the need for a DVM for complete one-unit troubleshooting
- A fully programmable scan frequency and pixel resolution RGB video generator
  - bandwidth to 125 MHz and 2048 x 2048 pixels
  - compatible with TTL, analog, and ECL video types
  - 70 monitor setup memory locations (43 preprogrammed)
  - outputs protected to prevent damage from defective computer monitors
- "Hook-up" adapters available

Part Number		Price per ea.
92-0303-00	Sencore CM2125 Computer Monitor Analyzer	3795.00



SENCORE CM125 "PIX PAK" COMPUTER MONITOR SIGNAL GENERATOR



The easy to use, programmable, portable RGB generator that satisfies your computer testing needs.

- RGB video generator for bench and field computer monitor troubleshooting and testing
- A complete set of troubleshooting and performance testing video patterns to help you identify monitor defects
- Easy-to-use, portable, lightweight, and compact for all your field and bench testing needs
- A fully programmable scan frequency and pixel resolution RGB video generator:
  - Video bandwidth to 125 MHz and 2048 X 2048 pixel resolution
  - Compatible with TTL, analog, and ECL video types
  - 100 monitor setup memory locations (43 preprogrammed)
  - Output protected to prevent damage from defective computer monitors
- Hook-up adapters available for all popular monitor types

Part Number		Price per ea.
92-0304-00	Sencore CM125 Computer Monitor Analyzer	2195.00

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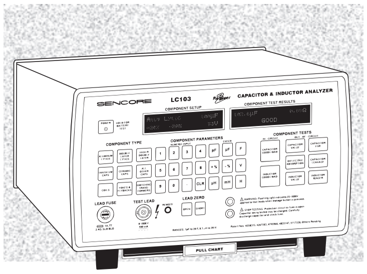
for *NEW* Product Updates!!

SENCORE LC103 REZOLVER™ IN-CIRCUIT CAPACITOR AND INDUCTOR ANALYZER

Now Reliably Pinpoint Bad Capacitors And Inductors In-Circuit, Or Completely Analyze Them Out-Of-Circuit With Exclusive, Dynamic, Automatic Tests to EIA Standard

- Automatically tells you when further out-of-circuit tests are required.
- Tests SMT components "in-circuit" and accurately with exclusive, time-saving test accessories
- Makes all tests, compares the results to EIA standards, and tells you "GOOD" or "BAD" – automatically
- Analyzes capacitors for all four failures out-of-circuit:
  - Value from 1 pF to 20 F
  - Equivalent series resistance
  - Leakage with up to 1,000 volts applied
  - Dielectric absorption
- Analyzes inductors with exclusive patented tests for:
  - Values from 0.1 uH to 20 H
  - Opens or shorts
  - Even one shorted turn with patented
- Tests SCRs and triacs with optional SCR250 accessory



LC103 Condensed Specifications

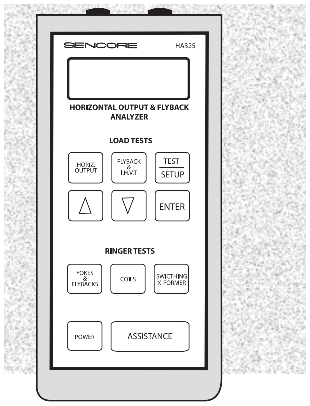
IN-CIRCUIT TESTS (Capacitors and Inductors):

- Dynamic in-circuit tests to determine whether the component is good or bad.
- Component Types: Electrolytic, double layer lytic, tantalum, ceramic, and other capacitors.
- Yokes, flybacks, switching transformers, and coils.
- Inductor Range: 3.18 uH to 3.18 H
- Capacitor Range: 0.002 uF to 20,000 uF
- Accuracy: Same as Out-of-Circuit tests for known good inductors and capacitors with no parallel current paths.
- Suggest Removal Indication: Initiated when AC test differs from DC test by more than 20%, or if low level DCR test indicates a leakage path greater than 20% of charge current for capacitors.

Part Number		Price per ea.
92-0300-00	Sencore LC103 Rezolver™ In-Circuit Capacitor and Inductor Analyzer	2495.00

SENCORE HA325 HORIZONTAL OUTPUT & FLYBACK TESTER

- With one simple hookup, the HA325 quickly identifies what is working and what isn't, without a schematic on any CRT based display
- Automatically analyzes the horizontal output circuits and tells you if they are good or bad and suggests the parts you need to test and repair on the display
- Improves the skill of your service technicians for faster more efficient repairs. Find the horizontal output transistor or IHVT (high voltage transformer), hook up the leads and the HA 325 automatically makes the analysis
- Cuts down on replacement repair costs. Replacing parts that aren't bad can be very expensive especially when parts have to be ordered and the game remains down while parts are on order
- The HA325 helps you to quickly and accurately determine defective parts in the horizontal output circuits



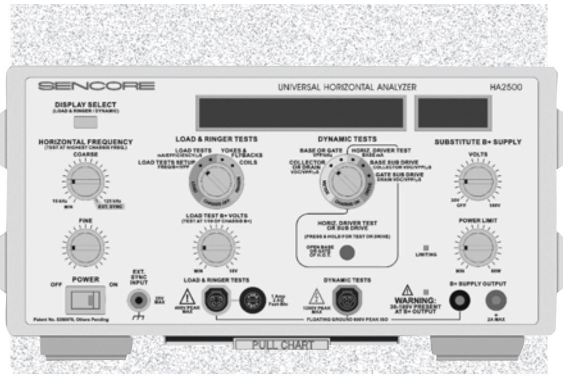
SENCORE

Part Number		Price per ea.
92-0314-00	Sencore HA325 Horizontal Output & Flyback Tester	1799.00

SENCORE HA2500 UNIVERSAL HORIZONTAL ANALYZER

Now Everything You Need To Localize Horizontal And B+ Supply Defects In Computer Monitors In Less Time And More Profitably Than Ever Before!

- Unique frequency lock and variable horizontal frequency use allows you to quickly service all horizontal circuits no matter the frequency
- Patented "ringer" proves the condition of flybacks and yokes in seconds - even a single shorted turn
- Variable-current limited & protected B+ substitute power supply permits testing of horizontal stages even when the power supply is dead
- Exclusive "Horizontal Output Load Test" makes setup and testing a snap - even without applying AC power for more accurate estimates, fewer damaged replacement parts, and faster diagnosis and repair
- Exclusive "Dynamic Tests" help you analyze the horizontal circuit in powered-up conditions to catch even subtle defects in the power supply, noise, and drive signal
- Portable and field rugged to go on location when bringing the defective product to your bench isn't feasible



SENCORE

HA2500 Condensed Specifications:

HORIZONTAL FREQUENCY GENERATOR
FUNCTION: - Squarewave generator for Load Tests and Sub Drive functions.
FREQUENCY RANGE: 15 kHz to 125 kHz

EXTERNAL SYNC INPUT:
INPUT SIGNALS: - Horizontal Sync, Composite Sync, Composite Analog Video (± Polarity)
FREQUENCY RANGE: 15 kHz - 125 kHz
SENSITIVITY: Composite Analog Video > .5 VPP Horiz. or Composite Sync > 2 VPP

HORIZONTAL OUTPUT LOAD TEST B+ POWER SUPPLY
VOLTAGE RANGE: - 0 - 18 VDC ± 0.5 volts.
CURRENT LIMIT: 250 mA ± 10%

HORIZONTAL OUTPUT LOAD TEST SETUP
EXCITATION DRIVE: Squarewave 50% duty cycle ± 2%
B+ VOLTS RANGE: 0 - 19.9 volts
VPP RANGE: autoranged 0 - 400 VPP

HORIZONTAL OUTPUT LOAD TESTS
B+ mA RANGE: 0 - 250 mA
TIME μS RANGE: 0.1 μS - 50 μS
TIME μS TRIGGER LEVEL: 5% ± 1% of pos. pulses with VPP > 10 VPP

RINGER TEST
FUNCTION: Approximate coil "Q" determined by exciting the coil and counting ringing cycles to a damped level.

DYNAMIC TESTS (Collector or Drain Meter)
VDC RANGE: Autoranged, 0- 400 volts
VPP RANGE: Autoranged, 0 VPP to 1500 VPP
TIME μS RANGE: 0 - 50 μS
TIME μS TRIGGER LEVEL: 5% ± 1% of pulse VPP >20 VPP

DYNAMIC TESTS (Base or Gate Meter)
VPP RANGE: 0 VPP to 50 VPP

DYNAMIC TESTS (Horizontal Driver Test)
FUNCTION: Measures the horizontal driver stage output current capability by simulating a low impedance base/emitter transistor junction.
BASE mA RANGE: 0 - 2000 mA

DYNAMIC TESTS (Sub Drive)
FUNCTION: Substitute drive optimized to properly drive the base or gate of any horizontal output transistor.
BASE SUB OUTPUT: Squarewave 50%, -2/+6% duty cycle
GATE SUB OUTPUT: Squarewave, 50% duty cycle ±2%

SUBSTITUTE B+ SUPPLY
VOLTAGE RANGE: 30 volts to 180 volts
POWER OUPUT: 2 amps ± 10% to 40 volts, 80 watts ± 10% over 40 volts
POWER LIMIT RANGE: 3 watt (min.) to 80 watt

GENERAL
FLOATING GROUND ISOLATION:
600 volts (DC + peak AC) from "-" terminal to chassis ground with 500 μA
DIGITAL DISPLAY: Vacuum fluorescent matrix, 40 x 2
AC POWER: 105 to 125 VAC 50/60 Hz. May be factory converted to 220 VAC.
SIZE: 6" X 11.5" X 15.5" (15.2 X 29.1 X 39.3 cm) HWD
WEIGHT: 14 lbs. (6.4 kg.)

All specifications allow for 20 minutes of warm-up and are guaranteed at 15 to 35 degrees C.

Part Number		Price per ea.
92-0313-00	Sencore HA2500 Universal Horizontal Analyzer	2995.00

SENCORE CR7000 "BEAM-RITE" MONITOR ANALYZER AND REJUVENATOR

Easily Test and Restore CRTs With The Most Complete Tests Available

- Guaranteed to restore one to two years of extra CRT life
- Keeps older monitors "revenue productive"
- Accurately tests all CRTs to manufacturer specifications, including all gaming and amusement CRTs, all surveillance and sport book CRTs, and all projection CRTs; over 6000 types!
- Complete testing and rejuvenation takes less than 9 minutes right at the game site
- 1 year Sencore warranty on parts and labor
- Toll FREE technical support at 1-800-SENCORE

The easiest to use CRT tester on the market

- Simply connect one of the six supplied adapters to test virtually all new CRTs without setting and resetting cumbersome setup switches
- Tests all three guns of color CRTs, with simultaneous display of test results
- All test results are displayed with interpretation-free "Good/Bad" results

The most accurate and thorough tests of any CRT tester

- Exclusive sliding "Good/Bad" scale duplicates manufacturer's test for the most accurate test results available
- Exclusive "Low Level" and "High Level" tracking tests locate color tracking problems
- Detects all gun element shorts or leakage

The safest and most effective restoration techniques available

- "Progressive Restoration" guarantees the safest possible restoration
- Six levels of "Progressive Restoration"
- Self-limiting shorts removal function
- Three times the restoration range of other testers providing mild current for marginal guns all the way to the Rejuv level for tough jobs

Newly designed sockets allow easy connection to hard-to-reach CRTs

- New socket design allows the user to test projection TVs and computer monitors faster and easier

SENCORE

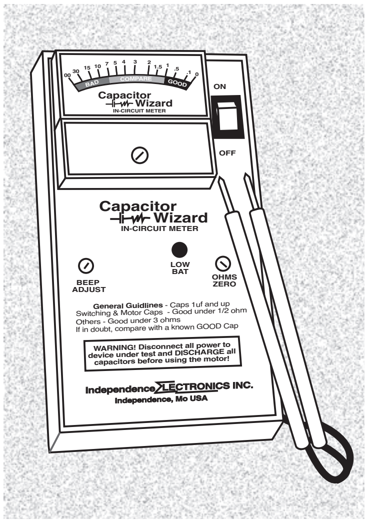
Part Number		Price per ea.
92-0299-00	Sencore CR7000 Beam-Rite Monitor	1995.00

CAPACITOR WIZARD

The Capacitor Wizard is an extremely FAST and RELIABLE device designed to measure ESR (Equivalent Series Resistance) on capacitors of 1uf and larger "IN CIRCUIT", eliminating the need to remove the capacitor for accurate tests. The Capacitor Wizard finds BAD caps IN CIRCUIT that even VERY EXPENSIVE cap checkers MISS ENTIRELY, even out of the circuit!

Features:

- Meter Range: 0 to 30 Ohms Expanded Scale
- Output Test Signal: 100khz Sine Wave
- Output Voltage: Only 5 milli volts RMS! - will NOT turn on solid state devices
- Meter input resistance: 2.5 Ohm
- Meter Resolution as low as 0.1 Ohm
- Beeper Resolution as low as 50 milli Ohm
- Adjustable "Capacitor Good" beeper
- Power: 4 AA Alkaline batteries
- Battery Life: Over 60 hours
- Size: 7" x 4" x 1.5"
- Probe length: 4 feet
- Recessed "Ohms Zero" and "Beeper Adjust" controls
- UL & CE

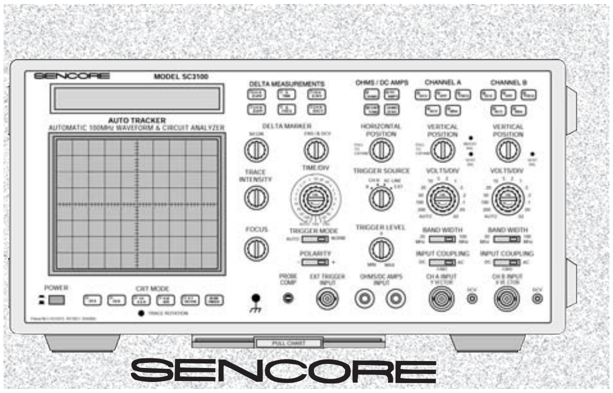

00 30 15 10 7 5 4 3 2 1.5 1 .5 .1 0
BAD
COMPARE
GOOD
Capacitor Wizard
IN-CIRCUIT METER
ON
OFF
Capacitor Wizard
IN-CIRCUIT METER
BEEP ADJUST
LOW BAT
OHMS ZERO
General Guidlines - Caps 1uf and up
Switching & Motor Caps - Good under 1/2 ohm
Others - Good under 3 ohms
If in doubt, compare with a known GOOD Cap
WARNING! Disconnect all power to device under test and DISCHARGE all capacitors before using the motor!
IndependenceΣLECTRONICS INC.
Independence, Mo USA

Part Number		Price per ea.
92-0301-00	Capacitor Wizard	199.95

SENCORE SC3100 "AUTO TRACKER"
AUTOMATIC 100 MHZ WAVEFORM & CIRCUIT ANALYZER

Now Touch And Test Any Circuit Test Point And Make Autoranged Error Free Measurements In a Fraction of the time!

- A complete waveform and circuit analyzing system in one instrument
- Integrated measurements of all circuit parameters provides fast troubleshooting answers
- Exclusive autoranged timebase and vertical attenuators eliminate wasted time
- All functions microprocessor integrated for ease-of-use
- Auto-Tracking™ digital readout of waveform voltage and frequency with one probe connection
- Full performance, 100 MHz dual trace oscilloscope
- Digital delta measurements to analyze every portion of any waveform



Specifications:

Vertical Amplifiers - DISPLAY MODES: Channel A, inverted channel A (-A), channel B, dual trace (A&B), algebraic sum (A+B) or difference (B-A), vector (X-Y). CALIBRATION ACCURACY: ±3% at 1 kHz. FREQUENCY RESPONSE (100 MHz): AC coupled: ±3 dB of 1 kHz level from 10 Hz to 100 MHz, usable to 150 MHz. SENSITIVITY: 20 mV/div. to 200 V/div. with supplied 39G292 10X probe; 2 mV/div. to 20 V/div. with (optional) DP270 Direct Probe. MAXIMUM INPUT PROTECTION: Supplied 39G292 10X Probe: 2500 volts breakdown (DC + Peak AC).

Horizontal Sweep - SWEEP RATES: 100 milliseconds/division to 20 nanosecond/division. Autorange automatically selects sweep rate to show approximately 2-5 cycles of waveform. ACCURACY: ±3%.

Trigger Circuits - TRIGGER SOURCE: CH A, CH B, AC power line, or external. TRIGGER MODES: NORM, AUTO, TV.

Auto-TrackingTM Digital Tests - DC Volts: DCV FUNCTION: Provides direct reading of DC voltage on selected channel.

ACCURACY: ±0.5% ±2 digits.

Peak-to-Peak Volts - VPP FUNCTION: Provides direct reading of peak-to-peak voltage on selected channel with either X10 or direct probes. ACCURACY: ±2% ±4 counts. FREQUENCY RESPONSE: ±0.5 dB from 20 Hz to 30 MHz,?-3 dB at 100 MHz.

AC Volts - ACV FUNCTION: Calculates RMS sinewave value from PPV measurement. dBm FUNCTION: Calculates dBm measurement from PPV sinewave measurement, referencing 1 mW across 600 Ohms (0 dBm =.7746 volts RMS).

Frequency - Automatically displays the frequency of the signal on selected channel. RANGES: 10.00 Hz to 150 MHz.

ACCURACY: .001% ±1 digit.

Delta Peak-to-Peak - Measures amplitude of intensified area on selected channel.

Delta Time - Measures time of intensified waveform portion.

1/Delta Time - Converts Delta Time reading to equivalent frequency.

Delta DC Volts - FUNCTION: Measures DC voltage level of marked waveform point in respect to ground using the PPV and DCV functions. MARKER: Fully adjustable over entire range of waveform.

Digital Meter Tests - Ohms FUNCTION: Provides in- or out-of-circuit ohms. RANGES: 0.00 to 100 M Ohms. ACCURACY: 0.2% ±2 digits.

Continuity Test - Provides audible tone of continuity. RANGE: 0 to 199 Ohms. Audible tone turns on if resistance is <10 Ohms and turns off if resistance is >15 Ohms, ±2 Ohms.

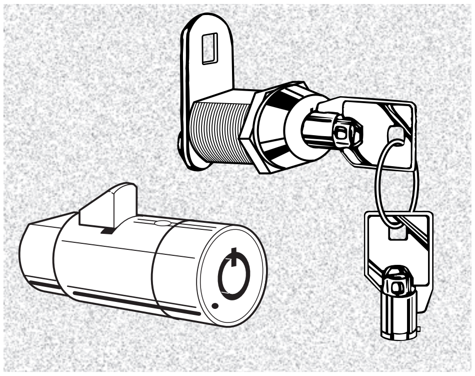
DC Current - Provides measurement of DC current. RANGES: .001 to 1.99 amp ACCURACY: 0.3% ±2 digits.

General - SIZE: 7.25" x 13.75" x 15" HWD (18.4 x 34.9 x 38.1 cm). WEIGHT: 25 lbs (9.33 kg.). POWER: 105 to 125 VAC, 50/60 Hz.

Part Number		Price per ea.
92-0308-00	Sencore SC3100 "Auto Tracker" Analyzer	3295.00

HAPP CONTROLS LOCK DEPARTMENT

Happ Controls now has it's own lock assembly department. We offer fast turn around on 7-pin tumbler locks. Most custom lock orders can be shipped within 48 hours. Happ locks can be keyed to your existing 7-pin tumbler key, if we receive a sample key with your order. Our 7-pin tumbler locks offer high security at a reasonable price. For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company.



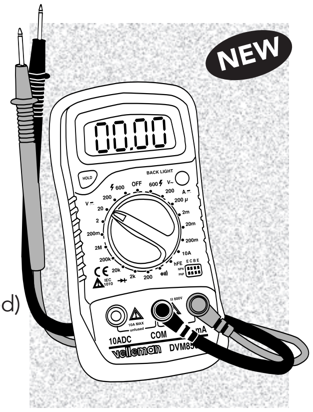
TPI 183 DIGITAL MULTIMETER

- Triple display
- PC compatible
- True RMS
- Display Count: 4000
- AC volts: 750; DC volts 1,000
- Basic DC accuracy: 0.3%
- AC amps: 10; DC amps 10
- Capacitance: 10,000uF
- Frequency: 200KHz
- Analog Bar Graph
- Auto Range
- Data Hold
- Min/Max
- Sleep Mode
- CE, cULus3111
- Size: 7.75 x 3.75 x 2.25

Part Number		Price per ea.
92-1334-00	TPI 183 Digital Multimeter	174.03

DIGITAL MULTIMETER WITH AUTOMATIC POLARITY FUNCTION

- Easy to read 3 1/2 digit LCD display
- Measurements: DC current up to 10A, AC and DC voltage up to 600V, resistance up to 2 Mohm
- Diode, transistor and continuity test with buzzer
- Data-hold function and backlight
- Protective yellow holster included
- Dimensions: 2.7” x 5.4” x 1.2”
- Operates on one 9V battery (included)
- Low battery indicator
- Overload protected
- Includes red and black test leads, instruction manual
- Velleman ref. no. DVM850BL
- High quality at an amazing price!



Tester Specifications	
DC Voltage	200m/2/0/100
AC Voltage	200/600 DC
Current	200µ/2m/20m/200m/10A
Resistance	200/2k/20k/200k/2M

Part Number		Price per ea.
49-6122-00	Digital Multimeter with Automatic Polarity Function	19.15

TPI 440 TRUE RMS DIGITAL MULTIMETER

4000 Count True RMS DMM with waveform capabilities

6 Instruments in 1

1. Auto Ranging 4,000 Count True RMS DMM
   Full capabilities of a 4,000 Count True RMS DMM 0.3% basic DC accuracy and 9 measurement functions.
2. 1 MHz Oscilloscope
   View industrial power signals such as motor controls, UPS, switching power supplies, and PLC controls with detail and clarity.
3. Trend Mode
   Chart recorder-like display monitors slow changing events with ease.
4. Component Test
   Check voltage-current signatures on capacitors, resistors, semiconductors and much more.
5. Logic Test
   Indicates transitions up to 2 MHz.
6. Frequency Counter
   Measure low frequency signals from 1Hz to 2MHz and display duty cycle, pulse width and period.

PC/Printer Compatibility to RS-232C Port Optional accessory No. A402 enables data or waveform to be downloaded to PC for archiving, processing and report generation. Perfect for extended monitoring. 8 waveform storage locations enables remote data acquisition for later viewing or downloading to a PC. NiCad battery with charger, test leads, and alligator clips are standard accessories.

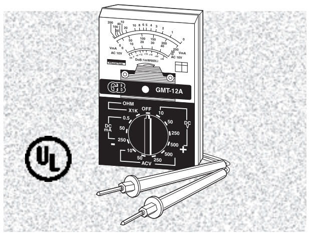
True RMS
True RMS allows the user to obtain accurate measurements of non-sinusoidal AC voltage and current waveform found in controls and circuits.
220 Volt 50/60Hz AC/DC Adapter is included when specifying Model No. 440X. Specify Part No. A405.

Includes: Insulated test leads with alligator clips, power supply, NiCad battery and instruction manual.

Part Number		Price per ea.
49-1448-00	TPI 440 True RMS Digital Multimeter	299.95

5-FUNCTION, 12-RANGE MULTIMETER

- Tests AC/DC voltage, DC current, resistance and decibels
- Includes two safety test leads, instruction manual and battery
- Impact resistant shell
- Convenient pocket-size instrument



Tester Specifications			
DC Voltage	0-10-50-250-500 Volts	**Accuracy**	DC Voltage ± 4%
AC Voltage	1-10-50-250-500 Volts		AC Voltage ± 5%
DC Current	0-0.5-50-250 mA		Resistance ± 4° Arc of
Resistance	2 Megohms	Scale	of Length
Decibels	-20dB to 56dB on AC Volt Ranges	**Sensitivity** and DC	2000 ohms per volt AC

Part Number		Price per ea.
49-0960-00	5-Function, 12-Range Multimeter	14.10

FLUKE 87/III DIGITAL MULTIMETER

- Digital Display
- 4,000 count, 20,000 count in high resolution mode
- Large, high contrast, easy-to-read digital display with an analog pointer
- 32 Seg Pointer
- Backlit display with on/off controls for easy viewing in all lighting conditions
- True-rms at readings to deliver the correct measurement, even when harmonics are present
- Automatic Touch Hold automatically triggers the meter to capture stable non-zero readings, freeing you to focus on the test probes
- Fused Current Inputs
- Continuity
- MIN/MAX Mode captures fast transients
- Peak MIN/MAX - 250 ÂµSec (87 III and 87/E only)
- Relative Mode
- Diode Test
- Sleep Mode - 30 minutes
- IEC 61010 Rating - CATIII-1000V
- Battery access door that enables changing batteries without breaking the calibration seal
- Lifetime Fluke warranty

FLUKE®

Part Number		Price per ea.
49-1534-00	Fluke 87/III Digital Multimeter	359.00

FLUKE 170 SERIES DIGITAL MULTIMETERS

- Lifetime Warranty
- IEC 1010 CAT IV 600V, CAT III 1000V safety rating
- 6000 count display provides improved resolution
- True-rms ac voltage and current for accurate readings on all waveforms
- Min/Max/Average recording
- Frequency, capacitance & resistance capabilities
- The 179 has a backlight to illuminate the screen in dark workspaces
- Easy access battery door to change the battery without breaking the calibration seal
- Drop protected to 1 meter
- Over molded case features integrated probe holders
- Compatible with ToolPak™ meter hanging kit
- The 179 measures temperature in °C and °F

FLUKE®

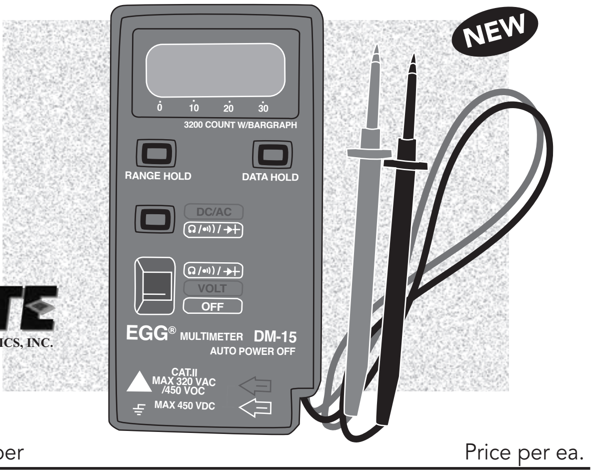
Part Number		Price per ea.
49-1367-00	Fluke 179 Digital Multimeter	219.00
92-1106-00	Fluke 175 Digital Multimeter	189.00

POCKET DIGITAL MULTIMETER

- Autoranging
- Auto Power OFF
- Bar Graph
- 3 1/2 Digit LCD, 0.35” H
- 3200 Count
- 10M1/2 Input Z
- Data Hold
- Range Hold
- Diode Test
- Audible Continuity Test
- 32M1/2 FS
- Overload Protection
- 1-Year Limited Warranty
- Batteries, test leads, carrying case and operating instructions included

General Specifications

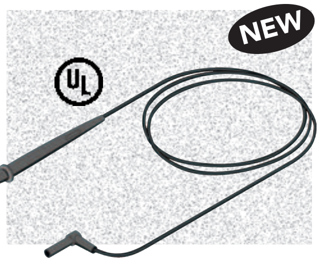
Display: 3.5 Digit LCD, 0.35” high, with polarity indicator.
Overrange Indication: “OL” is displayed.
Auto Power Off: Approx. 10 min. after mode or function change
Measurement Rate: 2 times per second.
Operating Environment: 0°C to 40°C, <70% relative humidity.
Storage Environment: -20°C to 60°C, <80% relative humidity.
Power: 1.5V button-type batteries (2) IEC LR-44, NEDA 1166A.
Low Battery Indicator: “B” is displayed.



NTE ELECTRONICS, INC.

Part Number		Price per ea.
NTEDM-15	Pocket Digital Meter	33.23

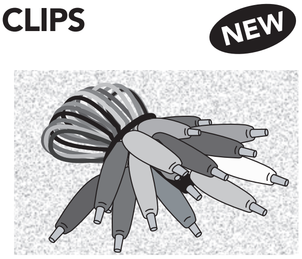
HARD POINT TEST LEAD SET



- Comfort grip probe with PVC insulated test leads
- Extremely hard alloy tips resist wear
- Distinctive comfort grip probes
- Economical PVC insulated leads
- Cat III, 1000V, 10A
- UL listed

Part Number		Price per set
49-1762-00	Hard Point Test Lead Set	14.95

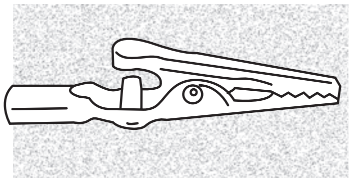
15" JUMPER WIRES WITH MINIATURE ALLIGATOR CLIPS



- 10 Jumper wires, 27 AWG, 15" long
- Handy test leads with insulated alligator clips attached to ends
- Ideal for breadboarding, experiments, temporary hookups
- Package contains black, red, white, green jumpers and yellow jumpers

Part Number		Price per set
95-1809-00	15" Jumper Wires With Miniature Alligator Clips	8.55

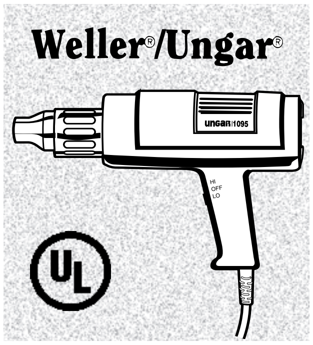
ALLIGATOR CLIP SET



- Set includes 5 red and 5 black alligator clips
- Rubber insulators are 1-1/2" long

Part Number		Price per set
43-0825-00	Alligator Clip Set	5.70

HEAT GUN



- Multi-Uses: Heat shrink tubing, drying, thawing, heating liquids, stripping paint, etc.
- Dual temperature: 1200˚F(1000w) and 790˚F(400w)
- 3-way switch: HI-OFF-LOW
- 3-wire ground plug, 6' power cord
- Lightweight: 22 oz. w/cord
- UL listed

Part Number		Price per ea.
92-0113-00	Heat Gun	73.00

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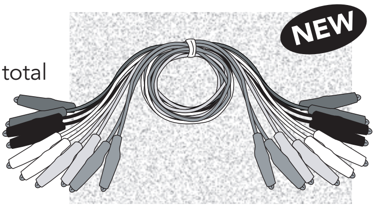
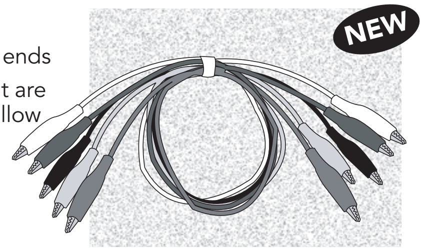
TEST LEAD SET



- Also known as jumper cords
- 5 pair leads per set; 10 leads total
- Insulated alligator clips on both ends
- 14" length
- The colors of leads are white, green, black, yellow and red

Part Number		Price per set
49-0325-00	Test Lead Set	6.20

HEAVY-DUTY TEST LEAD SETS



- 5 leads per set
- Alligator clips on both ends
- Colors for each cord kit are white, green, black, yellow and red

Part Number		Price per set
95-0051-00	22" Test Lead Set	4.30

UNIVERSAL SOLDERLESS TEST LEAD SET

- Two 35" flexible, vinyl covered test leads, heavily insulated, 80-strand copper conductors (1 black. 1 red)
- Color coded spade lugs
- Test prod phone tips and NP phone tips
- Strong spring action alligator clips

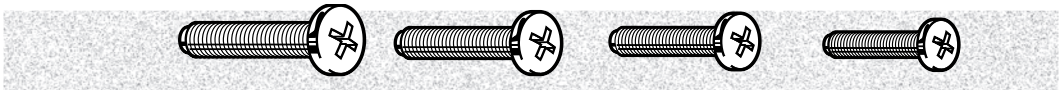
Part Number		Price per set
92-1148-00	TLM10 Test Lead Probe Set	4.20

DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

e-mail notification and order **tracking information** is now available from Happ Controls! Contact your sales representative or e-mail our customer service department at: **info@happcontrols.com** with your account information.

PAN HEAD PHILLIPS MACHINE SCREWS

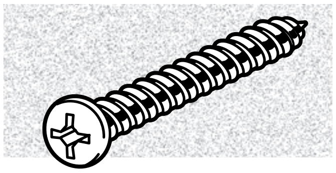
- Minimum order 100 pieces



Part Number	Description	Finish	Price per ea.
35-0257-00	2-56 x 1/4	Zinc	.16
43-0065-00	4-40 X 1/8	Zinc	.16
95-0003-00	4-40 x 1/4	Zinc	.16
43-0902-00	4-40 x 5/16	Zinc	.16
43-0137-00	4-40 x 1/2	Zinc	.16
43-0158-00	4-40 x 3/4	Zinc	.16
43-0898-00	4-40 x 7/8	Zinc	.16
43-0873-00	4-40 x 1	Zinc	.16
43-0897-00	4-40 x 1-1/2	Zinc	.16
43-1007-00	6-32 x 1/8	Zinc	.16
43-0020-00	6-32 x 3/16	Zinc	.16
43-0772-00	6-32 x 1/4	Zinc	.16
43-0971-00	6-32 x 1/4 sem	Zinc	.16
42-0314-00	6-32 x 3/8	Zinc	.16
43-0290-00	6-32 x 1/2	Zinc	.16
43-0679-00	6-32 x 5/8	Zinc	.16
43-0371-00	6-32 x 3/4	Zinc	.16
43-0868-00	6-32 x 3/4 sem	Zinc	.16
43-1064-00	6-32 x 7/8	Zinc	.16
43-0326-00	6-32 x 1	Zinc	.16
43-0896-00	6-32 x 1-1/4	Zinc	.16
43-0895-00	6-32 x 1-1/2	Zinc	.16
43-0894-00	6-32 x 2-1/2	Zinc	.16
43-0052-00	8-32 x 3/16	Zinc	.16
43-0409-00	8-32 x 1/4	Zinc	.16
43-0435-00	8-32 x 5/16	Zinc	.16
43-1319-00	8-32 x 3/8	Zinc	.16
43-0285-00	8-32 x 1/2	Zinc	.16
43-0382-00	8-32 x 5/8	Zinc	.16
43-0307-00	8-32 x 3/4	Zinc	.16
43-0327-00	8-32 x 1	Zinc	.16
43-0677-00	8-32 x 1-1/4	Black	.16
43-0754-00	8-32 x 1-1/2	Zinc	.16
43-0293-00	8-32 x 1-3/4	Zinc	.16
43-0879-00	10-24 x 5/8	Zinc	.16
43-0878-00	10-24 x 1/2	Zinc	.16
43-0184-00	10-32 x 3/8	Zinc	.16
43-0179-00	10-32 x 1/2	Zinc	.16
43-0884-00	10-32 x 5/8	Zinc	.16
43-0994-00	10-32 x 3/4	Zinc	.16
43-0131-00	10-32 x 1	Zinc	.16
43-1011-00	10-32 x 1-1/4	Zinc	.16
43-1111-00	10-32 x 1-1/2	Zinc	.16
43-0130-00	10-32 x 2	Zinc	.16
43-0866-00	1/4-20 x 1/2	Zinc	.16
43-0862-00	1/4-20 x 3/4	Zinc	.16
43-0865-00	1/4-20 x 1	Zinc	.16
43-0864-00	1/4-20 x 1-1/2	Zinc	.16

THREAD FORMING SHEET METAL SCREWS

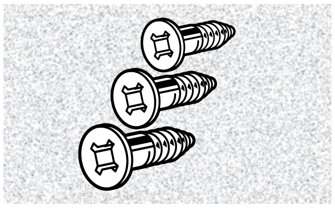
- Minimum order 100 pieces
- Pan head Phillips type



Part Number	Type	Description	Finish	Price per ea.
43-1028-00	A Point	#4 x 1/4	Zinc	.16
43-0436-00	B Point	#4 x 1/4	Zinc	.16
43-1027-00	A Point	#4 x 3/8	Zinc	.16
43-0064-00	High/Low	#6 x 3/8	Zinc	.16
43-1063-00	A Point	#6 x 1/2	Zinc	.16
90-1016-00	High/Low	#6 x 1/2	Zinc	.16
43-0083-00	A Point	#6 x 3/4	Zinc	.16
43-0084-00	A Point	#6 x 1	Zinc	.16
90-1005-00	B Point	#8 x 1/2	Zinc	.16
43-1021-00	A Point	#8 x 5/8	Zinc	.16
43-0139-00	A/B Point	#8 x 3/4	Zinc	.16
43-0885-00	A Point	#8 x 1	Zinc	.16
43-0304-00	A Point	#8 X 1-1/2	Zinc	.16
43-0869-00	A Point	#10 x 3/8	Zinc	.16
43-0587-00	A/B Point	#10 x 1/2	Black	.16
43-0883-00	A Point	#10 x 3/4	Zinc	.16
43-0882-00	A Point	#10 x 1	Zinc	.16

FLAT HEAD PHILLIPS SCREWS

- Minimum order 100 pieces
- Zinc plated

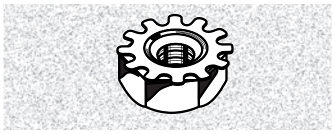


Part Number	Description	Price per ea.
43-0724-00	4-40 x 1/2	.16
43-0840-00	4-40 x 5/8	.16
43-0949-00	6-32 x 1/2	.16
43-0409-10	8-32 x 1/4	.16
43-0173-00	8-32 x 3/8	.16
43-0132-00	8-32 x 1/2	.16
43-1042-00	8-32 x 3/4	.16
43-0947-00	10-32 x 1/4	.16
43-0104-00	10-32 x 1-1/2	.16
43-0877-00	10-32 x 1	.16

Visit Our Web Site:
for NEW Product Updates!!

HEX HEAD STEEL KEP NUTS

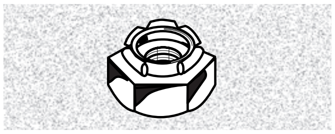
- Minimum order 100 pieces



Part Number	Description	Finish	Price per ea.
43-1018-00	4-40	Zinc	.18
42-0056-00	6-32	Zinc	.16
42-0082-00	8-32	Zinc	.16
90-1204-00	10-24	Black	.16
42-0093-00	10-32	Zinc	.16
43-0984-00	5/16	Zinc	.16
43-0175-00	4MM	Zinc	.16

NYLOCK ELASTIC STOP NUT

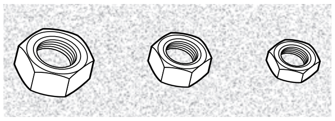
- Minimum order 100 pieces
- Zinc plated



Part Number		Price per ea.
43-1322-00	4-40	.14
43-0375-00	6-32	.16
43-0211-00	8-32	.16
43-0723-00	10-24	.14
43-1005-00	10-32	.16
43-0121-00	1/4-20	.16
43-0056-00	1/2-13	.16
43-0991-00	5/16-18	.16

HEX HEAD STEEL NUTS

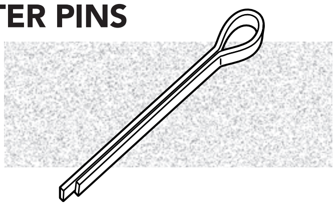
- Minimum order 100 pieces



Part Number	Description	Finish	Price per ea.
43-0163-00	2-56	Zinc	.16
43-0010-00	4-40	Zinc	.16
43-0094-00	6-32	Black	.16
43-1292-00	8-32	Zinc	.16
43-0968-00	10-24	Zinc	.16
43-0867-00	10-32	Zinc	.16
43-0903-00	1/4-20	Zinc	.16
43-0935-00	3MM	Zinc	.16
43-0175-00	4MM	Zinc	.16
43-0125-00	5MM	Zinc	.16

COTTER PINS

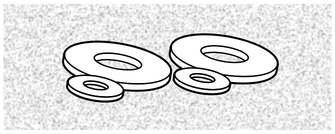
- Minimum order 100 pieces
- Zinc plated



Part Number		Price per ea.
42-0022-00	1/16 x 1/2	.16
43-0951-00	1/16 x 3/4	.16
43-0837-00	7/64 x 1 (univ.)	.45
43-0839-00	1/8 x 1-1/4	.16

FLAT WASHERS

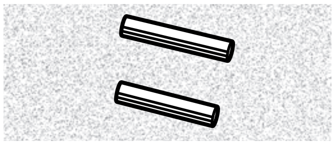
- Minimum order 100 pieces
- Zinc plated



Part Number	Description	Finish	Price per ea.
90-1206-00	#4	Zinc	.16
43-0502-00	#8	Black	.16
43-0995-00	#10	Zinc	.16
43-0215-00	1/4	Zinc	.16
43-1062-00	1/4" (fender) ID x 1-1/2” OD	Zinc	.16
43-0057-00	5/16	Zinc	.16
43-0888-00	5/16" (fender) ID x 1-1/2" OD	Zinc	.16

ROLL PINS

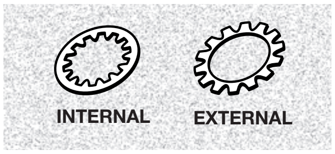
- Carbon Steel
- Minimum order 100 pieces
- Zinc plated



Part Number	Description	Bally Ref. No.	Price per ea.
43-0912-00	1/8 x 3/4	P-1637-11	.16
43-0911-00	1/8 x 1	P-1637-2	.16
43-0910-00	5/32 x 7/8	P-1637-53	.16
43-0907-00	3/16 x 7/8	P-1637-56	.16
43-0906-00	3/16 x 1-1/2	(Hopper)	.16

STAR LOCK WASHERS

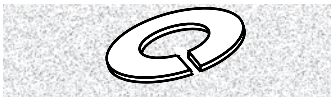
- Internal and external available
- Minimum order 100 pieces



Part Number		Finish	Price per ea.
35-0260-00	#4 Internal	Zinc	.16
43-0874-00	#6 Internal	Zinc	.15
90-1011-99	#6 External	Zinc	.16
43-0875-00	#8 Internal	Zinc	.15
43-0324-00	#8 External	Zinc	.16
43-0043-00	#10 Internal	Zinc	.15
43-0037-00	#10 External	Zinc	.16
43-0545-00	1/4 Internal	Black	.15
43-0237-00	1/4 External	Zinc	.16

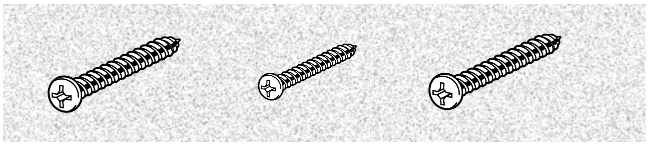
LOCK WASHERS

- Minimum order 100 pieces
- Zinc plated



Part Number		Finish	Price per ea.
43-0202-00	#4 metric	Zinc	.16
43-0246-00	#6 metric	Zinc	.16
43-0204-00	#8 metric	Zinc	.16
43-0240-00	#10 metric	Zinc	.16
43-0343-00	1/4 split ring	Black	.16
43-0325-00	#8 split ring	Zinc	.16

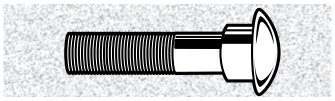
MISCELLANEOUS FASTENERS



Part Number		Price per ea.
43-1033-00	1/4 x 1-1/2 Hex Head Lag Bolt (For Stools)	.16
43-0871-00	#6 x 1/2 Wood Screw	.10
43-0725-00	1/4-20 x 1 Hex Head Cap Screw	.31
43-0831-00	1/4-20 x 1-1/**2** Hex Head Cap Screw	1.60
43-0845-00	#6 x 1 Drywall Screw	.71
43-0876-00	4mm x 10mm Hex Head Screw	2.10
43-0849-00	3mm x 6mm Phillips Panhead M.S.	.10
43-0167-00	3mm x 10mm Phillips Panhead M.S.	.21

CARRIAGE BOLTS

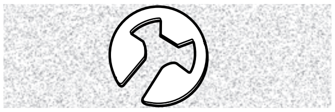
- Carbon Steel
- Minimum order 100 pieces



Part Number		Price per ea.
43-0021-01	8-32 x 1/2	.16
43-0049-00	10-24 x 1/2	.16
43-0410-00	10-24 x 1	.16
43-0462-00	10-24 x 1-1/2	.16
43-0149-00	10-24 x 2	.16
43-0374-00	1/4-20 x 2	.16
43-0889-00	1/4-20 x 2-1/2	.16
43-0890-00	1/4-20 x 3-1/2	.16
43-0887-00	5/16-18 x 2	.16
43-0886-00	5/16-18 x 2-1/2	.16

E-RINGS

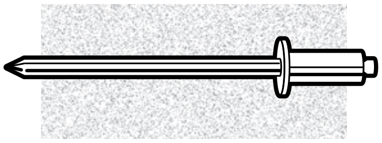
- Sold in eaches
- Zinc plated
- Minimum order 20 pcs.



Part Number	Mfg. Ref. No.	Description	Price per ea.
43-0528-00	—	3/32" ID	.16
43-0529-00	—	5/32" ID	.16
43-0009-00	—	1/8" ID	.16
43-0008-00	P-6316-4	3/16" ID	.16
43-0532-00	P-2891-5	11/64" ID	.16
43-0905-00	P-6316-5	7/32" ID	.16
43-0118-00	P-6316-6	1/4" ID	.16
43-0245-00	P-2891-7	5/16" ID	.16
43-0223-00	P-2891-8	3/8" ID	.20
43-0119-00	P-2891-10	1/2" ID	.16
43-0060-00	P-2891-11	5/8" ID	.16
43-0941-00	—	4mm ID	.16
43-0940-00	—	6mm ID	.16

RIVETS

- Packed in Boxes of 100
- Minimum order 100 pcs



Part Number	Size	Type	Price per ea.
43-0933-00	1/8" x 1/4" w/1/4" Head	Aluminum	.16
43-0855-00	1/8" x 3/16" w/1/4" Head	Aluminum	.16
43-0932-00	1/8" x 1/2" w/1/4" Head	Aluminum	.16
43-0930-00	1/8" x 3/8" w/1/4" Head	Aluminum	.16
43-0854-00	3/16" x 5/8"w/3/8" Head	Aluminum	.16
43-0856-00	1/8" x 1/8" w/1/4" Head	Steel	.16
43-0859-00	1/8" x 1/4" w/1/4" Head	Steel	.16
43-0931-00	1/8" x 3/8" w/1/4" Head	Steel	.16
43-0860-00	3/16" x 3/8" w/3/8" Head	Steel	.16
43-0861-00	.37 O.D. x .13 I.D. x .06T	Aluminum Washer	.16

HAPP CONTROLS "QUALITY COAT" SPRAY PAINT

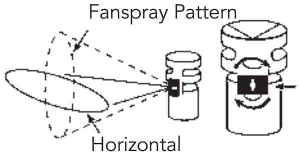
- Featuring the patented EZ Touch® Fanspray® Nozzle giving the user better spray control with optimum coverage
- 15 minutes dries to touch
- For indoor/outdoor use
- Contains high amounts of solids for maximum coverage on wood and metal
- Lead and fluorocarbon free
- Professional results with the patented Fanspray® Nozzle
- Vertical or horizontal Fanspray® pattern allows easy spraying of all surfaces
- Net weight 11 oz.
- 12 cans per case

FLAMMABLE Ground Freight Only

Happ Controls
Quality Coat
QUICK DRY SPRAY ENAMEL for METAL or WOOD
GlossBlack
Indoor/Outdoor
#29-1011-00
Patentend FANSPRAY® Valve Provides More Coverage and Spray Control Weather and Rust Resistance
NET WEIGHT 11 oz. (312 gms.)

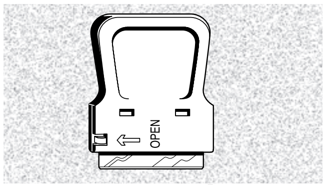
Part Number		Price per ea.	L/12
29-1011-00	Gloss Black	4.30	3.15
29-1012-00	Semi-Gloss Black	3.15	2.59
29-1026-00	Appliance White	4.30	3.15

All Spray Paints use the EZ Touch® Fanspray® Nozzle.
(Except Spatter Paint)


Vertical Fanspray Pattern
Rotate valve nozzle 1/4 turn to change spray pattern
Horizontal Fanspray Pattern

MINI RAZOR BLADE HOLDER AND SCRAPER

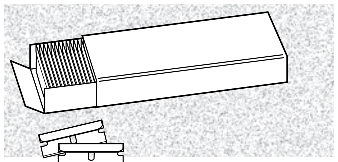
- Blade easily snaps in and out
- Blade can be stored upside down for safety
- Holds blade securely for scraping jobs
- Includes one blade



Part Number	Description	Price per ea.
49-5053-00	Mini Razor Blade Holder and Scraper	1.20

RAZOR BLADES

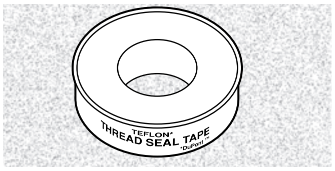
- Single edge
- Industrial quality
- Sold 100 per box



Part Number		Price per ea.
49-0926-00	Razor Blades	7.95

TEFLON PIPETHREAD SEALANT TAPE

- White Teflon seals and lubricants pipe threads
- 1/2" x 520"



Part Number		Price per ea.	L/12
39-0032-00	Teflon Pipethread Sealant Tape	1.95	1.70

SPRAY PAINT, BY KRYLON

- Featuring the patented EZ Touch® Fanspray® Nozzle
- Dries to touch in approximately 15 minutes
- For professional and industrial use
- Interior/Exterior use
- Net wt. 12 oz.
- 12 per case

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-1013-01	Semi-Flat Black	5.21	4.64
29-1013-02	Gloss Black	4.30	4.05
29-1013-03	Appliance White	4.40	4.15
29-1086-00	Flat White	4.40	4.15
29-1013-04	Flat Black	4.30	4.05
29-1013-10C	Coke Red	4.40	4.15
29-1013-19	Machinery Gray	4.40	4.15
29-1013-20	Aluminum	4.40	4.15
29-1015-00	Gray Primer	4.30	4.05
29-1029-01	Cordova Brown	4.40	4.15
29-1081-00	Light Beige	4.40	4.15
29-1196-00	Clear Acrylic	5.80	5.30

"SPATTER" PAINT, BY KRYLON

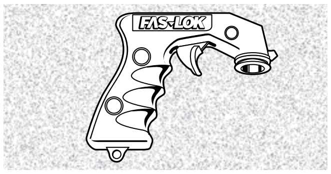
- Add beauty to your used machines with this extra touch of class
- Attractive machines attract more customers
- Reduces and hides graffiti
- Interior use only
- Net wt. 11 oz.
- 6 per case

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-1022-BA	Spatter Paint – Black / Aqua	7.45	6.90
29-1022-BG	Spatter Paint – Black / Gray	7.45	6.90
29-1022-GW	Spatter Paint – Gray / White	7.45	6.90

SNAP & SPRAY AEROSOL CAN HOLDER

- Transforms any spray can into a spray gun
- Installs easily
- Eliminates finger fatigue
- Reusable

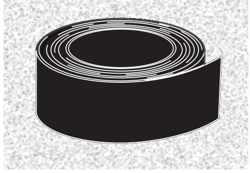


Part Number		Price per ea.	L/12
29-1110-00	Snap & Spray Aerosol Can Holder	3.95	3.50

GAFFERS TAPE

NEW

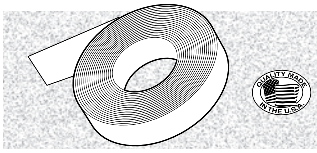
- Leaves no residue
- Great for Audio/Visual departments
- For wrapping or bundling wire, metals and plastics
- Also used for touch screen monitors
- Protects and anchors electrical wiring
- Seals out moisture and dust
- Heavy-duty vinyl coated waterproof cloth backing with excellent flexibility
- High tack tape with excellent adhesion
- Matte finish reduces light reflection
- 2" X 60 yards
- Color: Black



Part Number		Price per ea.
39-0085-00	Gaffers Tape	15.95

MASKING TAPE

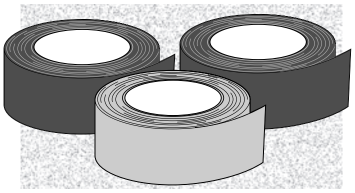
- Protect the areas you are not painting
- 60 yards long per roll
- Strong adhesive backing



Part Number		Price per ea.
39-0014-00	1" Masking Tape	3.25
39-0018-00	2" Masking Tape	5.00

DUCT TAPE

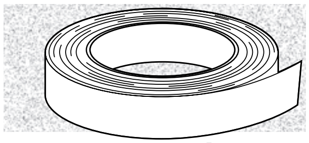
- Polyethylene coated cloth
- Used for holding down carpet
- 2" x 60 yards
- 24 per case



Part Number		Price per ea.
39-0019-00	Gray Duct Tape	7.45
39-0045-00	Red Duct Tape	9.05
39-0044-00	Black Duct Tape	9.05

GLASS FILAMENT TAPE

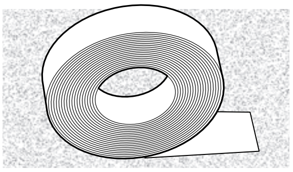
- Ideal for heavy-duty packaging
- Strong adhesive backing
- 1" x 60 yards long



Part Number		Price per ea.
39-0007-00	Glass Filament Tape	6.30

DOUBLE FACE FOAM TAPE

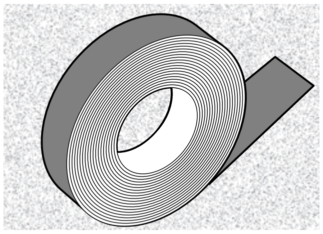
- All purpose tape allows you to hang light objects or signs to games, walls, glass
- High strength adhesive on both sides
- 36 yards long



Part Number		Price per ea.
39-0013-00	3/4" Double Sided Foam Tape, White	23.30
39-0013-10	3/4" Double Sided Foam Tape, Black	22.20
39-0041-00	1/4" Double Sided Foam Tape, Black	22.10

COLD SHRINK TAPE

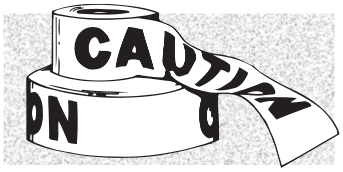
- Amazing tape allows you to wrap around a leaking pipe, hose, cable, etc. and the tape will form into a rubber mold stopping any more water from escaping
- Removing is easy, just slit the tape mold lengthwise
- No heat required
- Waterproof and non-toxic
- A must for every toolbox
- 3/4" x 30' long



Part Number		Price per roll
39-0012-00	Cold Shrink Tape	11.10

CAUTION SAFETY TAPE

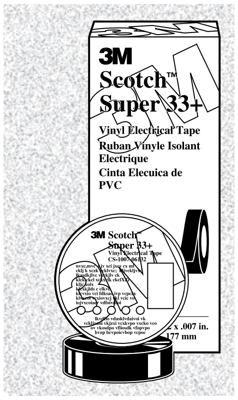
- Non-pressure sensitive vinyl barricade tape
- High visibility
- 3" W x 1000 ft.
- 8 per case



Part Number		Price per ea.	L/8
27-1224-00	Caution Safety Tape	16.10	12.35

3M™ ELECTRICAL TAPE

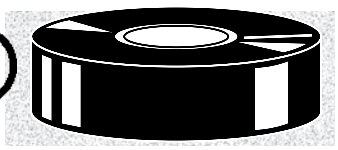
- 3M Scotch Super 33+ Vinyl Electrical Tape, the Industry Standard
- Now it's more flexible, stronger and stickier than ever – especially in cold weather
- Highly conformable all-weather tape
- UL listed, CSA certified 0° C to 105° C
- Primary insulation for wire cable splices up to 600 V
- In handy hard plastic container
- 3/4" x 66' long



Part Number		Price per roll	L/10
49-0902-00	3M Electrical Tape	5.85	5.20

PLASTIC ELECTRICAL TAPE

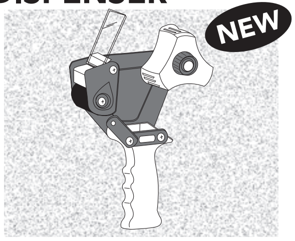
- Dielectric over 10,000 V
- U. L. listed
- 3/4" wide x 60 ft.
- Sold in packs of 10 only



Part Number		Price per ea.
39-0038-00	Electrical Tape - 10 Pack	10.40

DELUXE 2" TAPE DISPENSER

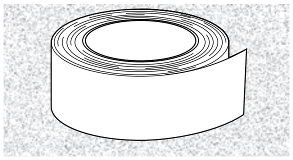
- Pistol grip style
- Engineered for long wear and ease of use
- Adjustable brake provides tape tension
- Holds up to 2" wide rolls on a 3" core



Part Number		Price per ea.
98-MTDGF103	Deluxe 2" Tape Dispenser	13.55

3M SCOTCH® BOX SEALING TAPE

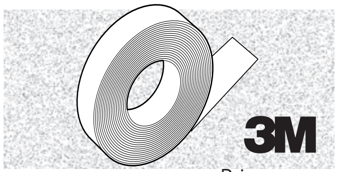
- Edge tear and split resistant
- Strong 2.05 mil thickness
- Clear color
- 1-7/8" x 55 yards long per roll
- Strong adhesive backing
- Tensile strength: Machine direction 25 lbs./inch width; Cross direction 40 lbs./inch width
- Adheres instantly to a variety of surfaces



Part Number		Price per ea.	L/12
39-0008-10	3M Scotch® Box Sealing Tape	1.80	1.65

3M™ CLEAR DOUBLE SIDED TAPE

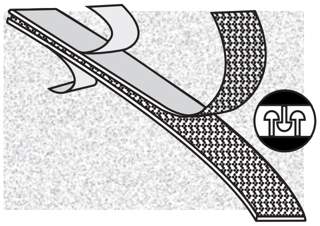
- All purpose tape with excellent adhesion
- Easily adheres to metal, glass, formica and other hard surfaces



Part Number		Price per ea.
39-0039-0	3M Clear Double Sided Tape, 1/4" x 36 yds. Sold in Boxes of 2 Rolls	16.10
39-0040-00	3M Clear Double Sided Tape, 1/2" x 36 yds. Sold Per Roll	9.20

3M DUAL LOCK™ LOW PROFILE RECLOSABLE FASTENER

NEW



- Pressure sensitive adhesive backing bonds to many surfaces
- Numerous interlocking mushroom-shaped stems positively “snap” together
- **Unlike some reclosable fasteners, this is self-mating so only one roll needed reducing inventory**
- Light-weight, thin profile (0.067”, 1.7mm)
- 1” wide, clear color
- Clear acrylic adhesive, -20°F to 150°F
- Stemmed surfaces glide over each other for easy positioning prior to pressing and snapping together
- 75 ft per roll; sold by the foot
- 3 rolls per case

Uses include:

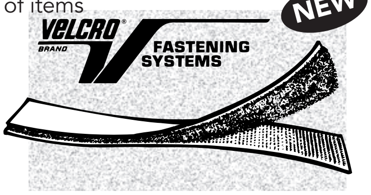
Electronics, exhibits, trade shows, Point of Purchase, framing

Anywhere you need easy access or quick assembly

Part Number		Price per ft.
90-0015-00	3M Dual Lock™ Low Profile Reclosable Fastener	1.40

VELCRO® HOOK AND LOOP TAPE

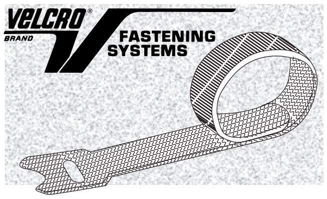
NEW



- For fastening a wide variety of items
- Adhesive backing
- .75”, 1” or 2” wide tape
- Color: Black
- 25 yards. per roll
- Sold per yard

Part Number		Price per yd.
90-0003-03	.75” Velcro Loop Side Only	2.15
90-0004-03	.75” Velcro Hook Side Only	2.15
90-0003-01	1” Velcro Loop Side Only	3.25
90-0004-01	1” Velcro Hook Side Only	3.25
90-0003-02	2” Velcro Loop Side Only	4.10
90-0004-02	2” Velcro Hook Side Only	4.10

VELCRO ONE-WRAP CABLE TIES

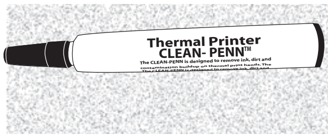


- Hundreds of uses
- Ideal for cord and cable control
- Can be reused numerous times
- Size: .5” wide x 6” long
- Color: Black

Part Number		Price per ea.
90-0011-00	Velcro One-Wrap Cable Ties	.49

THERMAL PRINTER CLEAN-PENN™

NEW



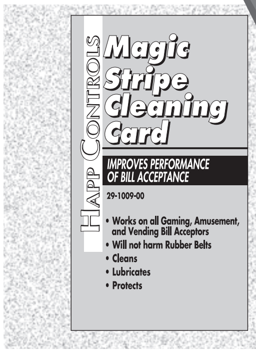
FLAMMABLE

- Specially designed to remove ink, dirt and contamination buildup on thermal print heads
- Allows printer to printer cleaner, clearer and crisper
- Just swipe CLEAN-PENN™ across entire printer head surface
- Use every time paper stock is changed

Part Number		Price per ea.	L/24
29-0003-00	Thermal Printer CLEAN-PENN™	1.30	1.20

HAPP CONTROLS DOLLAR BILL CLEANING CARD

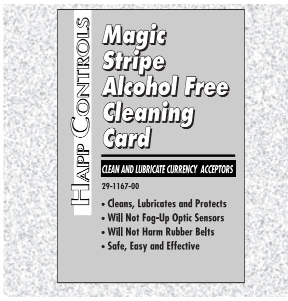
FLAMMABLE


HAPP CONTROLS
Magic Stripe Cleaning Card
IMPROVES PERFORMANCE OF BILL ACCEPTANCE
29-1009-00
• Works on all Gaming, Amusement, and Vending Bill Acceptors
• Will not harm Rubber Belts
• Cleans
• Lubricates
• Protects

- To clean, just insert like a dollar bill
- Works on all Gaming, Amusement and Vending bill validators
- Greatly increases the acceptance of dollar bills by cleaning & maintaining the hard to reach insides of the bill validators
- Special cleaning solution will not harm rubber belts
- Cleans, lubricates and protects all in one easy motion

Part Number		Price per ea.	L/50
29-1009-00	Happ Controls Dollar Bill Cleaning Card	.95	.84

"ALCOHOL FREE" DOLLAR BILL CLEANING CARD

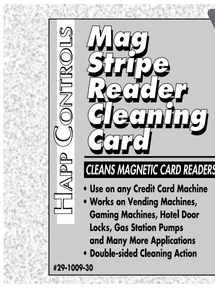

HAPP CONTROLS
Magic Stripe Alcohol Free Cleaning Card
CLEAN AND LUBRICATE CURRENCY ACCEPTORS
29-1167-00
• Cleans, Lubricates and Protects
• Will Not Fog-Up Optic Sensors
• Will Not Harm Rubber Belts
• Safe, Easy and Effective

- Protect your equipment
- Works on all dollar bill validators
- Removes dirt, oil, and other contaminants from magnetic heads and photo and optic sensors
- Safe, easy and effective
- Will not harm rubber belts
- Will not fog up optic sensors

Part Number		Price per ea.	L/50
29-1167-00	"Alcohol Free" Cleaning Card	.95	.84

MAG STRIPE READER CLEANING CARD

FLAMMABLE

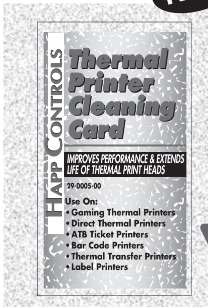

HAPP CONTROLS
Mag Stripe Reader Cleaning Card
CLEANS MAGNETIC CARD READERS
• Use on any Credit Card Machine
• Works on Vending Machines, Gaming Machines, Hotel Door Locks, Gas Station Pumps and Many More Applications
• Double-sided Cleaning Action
#29-1009-30

- Helps performance and durability of your equipment
- Used regularly, they will save you time & money in equipment repairs & downtime
- Cleans dirt, oil and residue from magnetic, optical and bar code reading equipment
- Double-sided cleaning card cleans any way you swipe
- Works on ATM's, Hotel Door Locks, Video Vending Machines, Telephones, Gas Pump Credit Card Readers, and many more applications

Part Number		Price per ea.	L/50
29-1009-30	Mag Stripe Reader Cleaning Card	1.10	.93

HAPP CONTROLS THERMAL PRINTER CLEANING CARD

NEW


HAPP CONTROLS
Thermal Printer Cleaning Card
IMPROVES PERFORMANCE & EXTENDS LIFE OF THERMAL PRINT HEADS
29-0005-00
Use On:
• Gaming Thermal Printers
• Direct Thermal Printers
• ATB Ticket Printers
• Bar Code Printers
• Thermal Transfer Printers
• Label Printers

FLAMMABLE

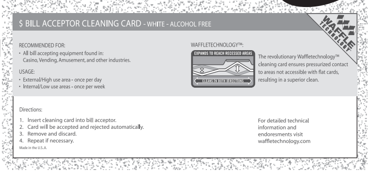
- Safely removes all dirt, ink, tape, residue, adhesive and other contaminants from thermal print heads, paper guides and paper path
- Improves print quality and legibility
- Protects your equipment - increases printer life, reliability and performance
- Works on all thermal printers
- Approved and recommended by major equipment manufacturers
- Use before inserting each roll of paper

Part Number		Price per ea.	L/50
29-0005-00	Happ Controls Thermal Printer Cleaning	.95	.84

BILL VALIDATOR WAFFLE-STYLE CLEANING CARDS

NEW

- Dramatically outperforms normal flat cleaning cards
- Incorporates flexible, raised platforms on the top and bottom surfaces
- Springs up into surface cavities to clean recessed sensors
- Cleans entire rounded surface of magnetic heads
- Effectively cleans leading and trailing surfaces of rounded optical lenses
- Ten times higher cleaning pressure, cleaning in both directions
- Color: white; alcohol-free
- 15 cards per box
- For more information, go to: www.waffletechnology.com


$ BILL ACCEPTOR CLEANING CARD - WHITE - ALCOHOL FREE
WAFFLE TECHNOLOGY
RECOMMENDED FOR:
• All bill accepting equipment found in: Casino, Vending, Amusement, and other industries.
USAGE:
• External/High use area - once per day
• Internal/Low use areas - once per week
WAFFLETECHNOLOGY™:
EXPANDS TO REACH RECESSED AREAS
CLEANS IN BOTH DIRECTIONS
The revolutionary Waffletechnology™ cleaning card ensures pressurized contact to areas not accessible with flat cards, resulting in a superior clean.
Directions:
1. Insert cleaning card into bill acceptor.
2. Card will be accepted and rejected automatically.
3. Remove and discard.
4. Repeat if necessary.
Made in the U.S.A.
For detailed technical information and endoresments visit waffletechnology.com

Part Number		Price per ea.
29-0326-00	Waffle-Style Cleaning Cards	4.99

HAPP CONTROLS ALL-PURPOSE CLEANER

- Completely cleans all types of surfaces including:formica, playfields, wood, metal and glass
- Removes marks from pool balls, bowling pins and shuffle alley board
- 18 oz. aerosol can makes cleaning easy, simply spray on and wipe off
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

HAPP CONTROLS
All-Purpose Cleaner
INDUSTRIAL STRENGTH
29-1000-00
• Fast
• Foaming Action
• Non-Flammable
CAUTION—CONTENTS UNDER PRESSURE
Read carefully other cautions on back panel.
KEEP OUT OF REACH OF CHILDREN
NET WEIGHT 18 OZ. (1 LB. 2 OZ.) 510 g

Part Number		Price per ea.	L/12
29-1000-00	Happ Controls All-Purpose Cleaner	4.05	3.60

HAPP CONTROLS PLEXI-CLEAN FOAMING ANTI-STATIC CLEANER AND POLISHER

- Great on touch screens, CRT & video screens
- Formulated for plastic, glass, plexiglass, chrome, plastic mirrors, Formica
- Cleans and polishes
- Anti-static, anti-fog
- Removes dirt, grease, nicotine, and fingerprints
- Will not streak, smear, or scratch
- Excellent on video security camera lenses
- Fast drying, reduces glare
- Safe on the ozone
- 19 oz. aerosol
- 12 per case

HAPP CONTROLS
Plexi-Clean
FOAMING ANTI-STATIC CLEANER & POLISHER FOR PLASTIC & GLASS
29-1175-10
• Great on Touch Screens
• Cleans & Polishes
• Anti-static/Anti-fog
• Removes Dirt, Grease, Nicotine, & Finger prints
• Will not streak, smear, or scratch
• Excellent on video security camera lenses
• Fast drying
• Reduces glare
NO CFCs
CAUTION:
CONTENTS UNDER PRESSURE
Read cautionary information on back panel.
NET WT. 19 OZ. (1 LB. 3 OZ.) 539 g

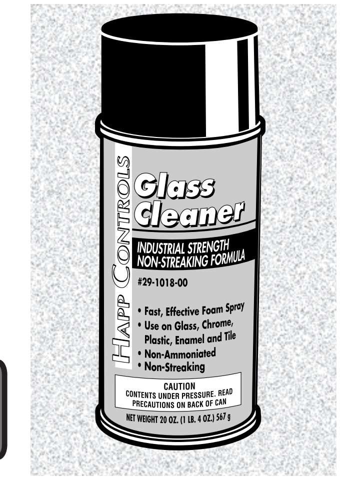
SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1175-10	Happ Controls Plexi-Clean Cleaner & Polisher	5.20	4.70

HAPP CONTROLS GLASS CLEANER

- Best glass cleaner in the industry
- Fast & effective foam spray
- Non-streaking
- Non-ammoniated
- Safely used on glass, touchscreens, chrome, plastic, enamel & tile
- Large 20 oz. size
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY


HAPP CONTROLS
Glass Cleaner
INDUSTRIAL STRENGTH NON-STREAKING FORMULA
#29-1018-00
• Fast, Effective Foam Spray
• Use on Glass, Chrome, Plastic, Enamel and Tile
• Non-Ammoniated
• Non-Streaking
CAUTION
CONTENTS UNDER PRESSURE. READ PRECAUTIONS ON BACK OF CAN
NET WEIGHT 20 OZ. (1 LB. 4 OZ.) 567 g

Part Number		Price per ea.	L/12
29-1018-00	Happ Controls Glass Cleaner	3.15	2.60

HAPP CONTROLS VANDAL MARK REMOVER

- Excellent for removing graffiti
- Removes spray paint, crayon, scuff marks and most inks
- Safe for use on brick, steel, brass, vinyl and most other surfaces
- Net weight 16 oz.
- 12 per case

FLAMMABLE
Ground Freight Only

HAPP CONTROLS
Vandal Mark Remover
IDEAL FOR REMOVING GRAFFITI
29-1016-00
Removes:
• Crayon Markings
• Ball Point Pen Ink
• Marking Pen Ink
• Aerosol Spray Paints
• Magic Marker
• Road Tar
• Scuff Marks
DANGER—EXTREMELY FLAMMABLE. VAPOR HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE
Read carefully other cautions on back panel.
KEEP OUT OF REACH OF CHILDREN
NET WEIGHT 16 OZ. (454 g)

Part Number		Price per ea.	L/12
29-1016-00	Happ Controls Vandal Mark Remover	6.49	5.79

DURA SHIELD CLEANER & POLISH

- Removes dust, grease, fingerprints, smoke film, etc.
- Safe to use on Plexiglass, Lexan, Lucite, polycarbonates, and other acrylic surfaces
- Excellent for TV's, VCR's, mirrors, stainless steel, windows, eye glasses, etc.
- Contains no harsh chemicals or abrasives
- Will not harm or dull factory protected finishes
- 16 oz spray bottle - 12 per case

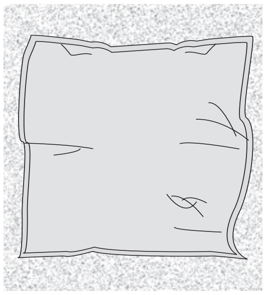
Part Number		Price per ea.	L/12
29-1129-00	16 oz. Dura Shield Cleaner & Polish	4.80	4.30

TERGO ULTRA MICROFIBER CLEANING CLOTHS

Never Buy Cleaners And Chemicals Again – Just Wet, Wring, And Wipe

- An alternative way to clean with only ordinary tap water
- Great for slot machines, vending machines, video games, etc.
- Just dampen cloth with tap water only
- Wedge shaped Ultra Microfibers trap and remove dirt and dust particles
- Don't be fooled – this is ultra microfiber not microfiber – there is a difference
- Economical - eliminates the need for toxic cleaning chemicals, paper towels or sponges
- Lasts for years – can be machine washed over 600 times
- Picks up the smallest particles – proven to pick up bacteria
- Size: 12" x 12"
- Fiber Type: Ultra Microfiber
- Made in Sweden

TERGO ULTRA MICROFIBER GLASS CLEANING CLOTH

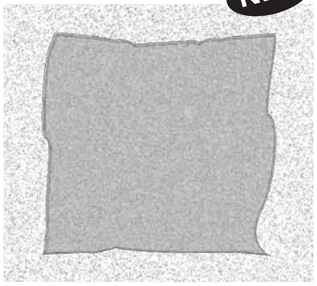


- Woven cloth designed for cleaning glass, plexi-glass, chrome, stainless steel and similar smooth surfaces
- Surfaces air-dry to a lint and streak- free shine leaving no residue
- Easily cleans away dirt, smoke film, fingerprints, and more
- Color: Blue
- Composition: 50% Polyester – 50% Polyamide

Part Number		Price per ea.
27-1428-00	Tergo Ultra Microfiber Glass Cleaning Cloth	6.40

TERGO ULTRA MICROFIBER MULTI-PURPOSE CLEANING CLOTH

NEW



- Knitted cloth with double sided loops for cleaning all types of surfaces
- Specially developed for removing heavy amounts of loose and ingrained dirt
- Use dry for dusting & polishing - static electricity and the fine fibers contribute to the attraction of dust
- Use wet for general cleaning, heavily soiled, greasy or outdoor areas
- Color: Pink
- Composition: 70% Polyester – 30% Polyamide

Part Number		Price per ea.
27-0062-00	Tergo Ultra Microfiber Multi-Purpose Cloth	6.40

INSTRUCTIONS FOR USE

The Glass cloth works best just slightly dampened with water. Either sprinkle water on the entire cloth or wet half the cloth. In most cases there is no need to wipe the surface dry after the cloth has been used, as evaporation enables surfaces to air-dry to a lint and streak-free shine. You can also spray water directly on the surface to be cleaned and wipe with a dry cloth.
(Note: if water marks appear, the cloth may have been too dirty or wet).

INSTRUCTIONS FOR CLEANING

To improve the lifespan of the Tergo cloths, it is necessary to wash them on a regular basis. For quick cleaning after use, simply hand wash in hot water, or use a very small amount of dish or laundry detergent. Do not use hand soap as it contains oil. Be sure to rinse well. Wash the cloths in the washing machine, when required, in hot water with your normal load. Either air or tumble-dry, up to 90 degrees. Do this when required or whenever the cloth looks soiled. Periodically boil the cloths in water for a few minutes on your stovetop. This disinfects and causes the fibers to swell releasing trapped grease and dirt. Tergo cloths can be machine washed over 600 times (lasting several years).

Important: The Tergo cloths should not be ironed, nor washed with conditioner/fabric softener or dryer softener sheets, as it would reduce the cloth's static electricity! (Boil the cloth to remove any residue, if fabric softener is used). Avoid washing in a load with terry towels, unless you put them in a mesh bag for delicates to prevent lint build up. The cloth should not be used with stainable materials such as paints and inks. It's best to use enviro-safe detergent if possible. DO NOT USE CHLORINE BLEACH or abrasive solutions for cleaning or washing. This will shorten the life span of the cloth.

QUIK STIK EPOXY

NEW

- Clear, fast curing epoxy adhesive
- In view of it's short pott life, use is recommended when a single repair must be made and the mixed adhesives can be used within one or two minutes
- Cemented items can be safely handled within 8 to 12 minutes, with full hardness after several hours
- This cement is relatively thin in consistency and should be used to cement closely matching surfaces
- The glue line is usually invisible
- Pkg. of two 1/2 fl. oz. Tubes

FLAMMABLE
Ground Freight Only

Part Number		Price per ea.
29-0014-00	Quik Stik Epoxy	8.85

SUPER ADHESIVE

NEW

- Ethyl Cyanoacrylate Adhesive
- Forms strong, lasting bonds in seconds between either similar or dissimilar materials—metal, porcelain, plastic, glass, most rubbers, hardwoods, and other non-porous materials with smooth, close-fitting surfaces
- The bond resists softening at temperatures up to 320°F (160°C)
- Cures to a strength of 5000 psi
- Fills gaps to .003"
- Meets Mil. Spec. MIL-A-46050C Type I Class 2
- 1 fl. oz. [29 ml.] Bottle

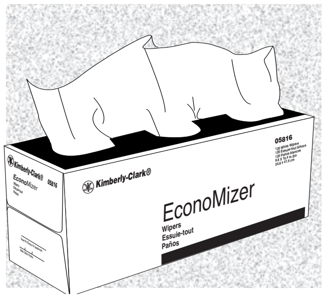
Part Number		Price per ea.
29-0142-00	Super Adhesive	10.35

WYPALL® L40 WIPERS

- Convenient, strong and reusable
- Unique Double Re-Crept base sheet technology to absorb liquids efficiently
- Low cost, high quality
- Virtually lint free
- Usage can be easily monitored with easy to use Pop-UpR Box
- Durable Pop-UpR box to protect from dirt and water
- Non-abrasive material, soft enough for use on face and hands
- Size: 11” W x 10.4” L
- Color: White
- 90 per box, 9 boxes per case

Part Number		Price per ea.	L/12
27-0105-00	Wypall® L40 Wipers	8.45	8.05

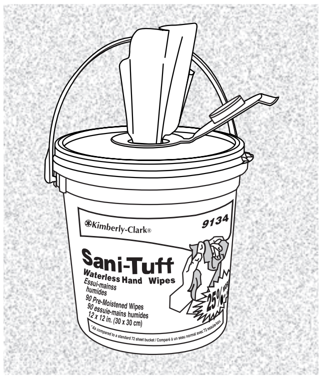
HEAVY-DUTY ECONOMIZER TOWELS



- Strong and absorbent
- Great for cleaning machines!
- Large Size: 9.8” x 16.4”
- Non-abrasive material
- 120 wipers per box
- 6 boxes per case
- Color: white

Part Number		Price per ea.	L/12
27-1388-00	Heavy-Duty EconoMizer Towels	9.45	8.35

SANI-TUFF WATERLESS WIPES



- Great for cleaning machines or hands
- Pre-moistened with cleanser reduces trips to the sink
- Dual textured wiper removes a wide range of soil such as oil, grease, grime, paint, etc.
- 90 wipers packed in a portable plastic bucket
- Pleasant citrus odor
- Large 12” x 12” wiper
- Sold per bucket, 6 buckets per case

Part Number		Price per ea.
27-1387-00	Sani-Tuff Waterless Wipes	25.45

Visit Our Web Site:

happcontrols.com

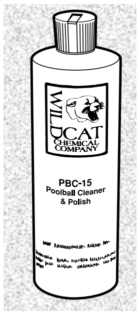
for ***NEW*** Product Updates!!

WILDCAT #125 PLAYFIELD CLEANER & POLISH

- Excellent for cleaning and shining pinball playfields and air hockey games. Note: Turn air hockey table on before applying Wildcat 125
- The best thing you can do for your playfield is to keep it clean
- New style bottle prevents evaporation
- 12 per case

Part Number		Price per ea.	L/12
25-1332-00	Cleaner & Polish (Quart Size)	17.30	16.75
25-1333-00	Cleaner & Polish (Pint Size)	11.15	9.95

WILDCAT PBC-15 POOL BALL CLEANER



- Specially designed to clean and polish billiard balls
- WIll help retard the deterioration of cloth by keeping billiard balls clean
- Ideal for use by hand or machine
- Cleans and polishes billiard balls in 1 step
- 16 oz. bottle
- 12 per case

Part Number		Price per ea.	L/12
26-1263-00	PBC-15 Pool Ball Cleaner	10.15	9.95

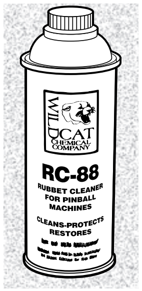
WILDCAT TR-60 TAPE REMOVER

- Safely removes tape & adhesive from most surfaces
- 16 oz. squeeze bottle
- New style bottle prevents evaporation
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1004-00	TR-60 Tape Remover	10.95	9.75

WILDCAT RC-88 RUBBER RING CLEANER



- Designed to give longer life and better play to all rubber products
- Rubber looks and stays new longer
- Cleans, protects & restores
- 16 oz. can
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-1005-00	RC-88 Rubber Ring Cleaner	13.50	12.85

WILDCAT CDC-100 COMPACT DISC CLEANER

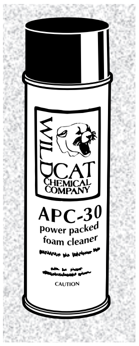
- Insure maximum results with your compact discs
- Removes all fingerprints & foreign material
- Helps prevent static
- 16 oz. spray mist bottle
- New style bottle prevents evaporation
- 12 per case

Part Number		Price per ea.	L/12
29-1003-00	CDC-100 Compact Disc Cleaner	10.05	9.85

WILDCAT APC-30 FELT CLEANER

- Pool cloth cleaner; also great for Black-Jack, Craps & other games with felt cloth coverings
- Designed to lift chalk dust, light stains and soil from felt
- Gentle non-staining foam cleaner that lifts the soil to the surface and allows you to wipe the surface clean
- Heavy duty cleaner designed for dirty surfaces
- No rinsing needed
- Also cleans metal, plastic, wood & painted surfaces
- 18 oz. aerosol can
- 12 cans per case

SHIPPED UPS GROUND OR TRUCK ONLY



Part Number		Price per ea.	L/12
29-1001-00	Wildcat APC-30 Felt Cleaner	11.20	9.95

WILDCAT TOUCHDOWN CLEANER

- Video screen cleaner safely removes dirt, dust, fingerprints & smudges
- Safe to use on touch screens
- Leaves a clean protective coating to repel future grime
- Helps prevent scratches
- 16 oz. bottle
- New style bottle prevents evaporation
- 12 per case

WILDCAT CHEMICAL COMPANY
Touchdown
HELPS CONTROL FINGERPRINTS AND CUTS DOWN ON SCRATCHES ON YOUR VIDEO SCREEN

Part Number		Price per ea.	L/12
29-1030-00	Wildcat Touchdown Cleaner	9.90	9.60

WILDCAT SUPER CONTACT CLEANER

- Cleans all delicate instruments & equipment chassis
- Can be used on any surface, will not harm any plastic or synthetics
- High purity content
- Non-conductive
- Non-corrosive
- Fast evaporation
- Non-flammable
- 14 oz. aerosol can
- 12 per case

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-1002-00	Wildcat Super Contact Cleaner	18.25	16.75

OIL EATER HAND CLEANER

- Quickly removes grease, paint, adhesives and more
- 100% petroleum free
- Biodegradable
- With pumice, natural citrus, lanolin and aloe
- Use with or without water

Part Number		Price per ea.	Full Case
29-1157-00	15 oz. Oil Eater Hand Cleaner	6.30	5.20 (L/12)

SUN-GLO, SHUFFLEBOARD WAX

Listed In Order of Speed

SUPER-GLIDE SHUFFLEBOARD WAX

- Best shuffleboard wax anywhere
- Fastest wax from Sun-Glo®
- Pure silicone ball bearings
- Shaker top allows even dispensing
- 1 lb. Cans
- 24 per case

TOURNAMENT GOLD SHUFFLEBOARD WAX

- Approved by champions
- Extremely fast, but still allows intensive control
- High-Quality wax created especially for tournament play
- Not for dance floors
- Easy pour top allows even dispensing
- Second fastest Sun-Glo® wax
- 1 lb. Cans
- 24 per case

BROWN BEAR SHUFFLEBOARD WAX

- Another best seller of Sun-Glo® products
- Third fast wax from Sun-Glo®
- Perfect for a fast game with solid control
- Shaker top allows even dispensing
- 1 lb. Cans
- 12 per case

5-STAR SHUFFLEBOARD WAX

- A traditional favorite of shuffleboard players
- Slower formula allows more control
- Shaker top allows even dispensing
- Fifth fastest wax from Sun-Glo®
- 1 lb. can
- 12 per case

BOWLER SHUFFLE ALLEY WAX

- Provides a waxed surface without high speed
- Designed for older bowling shuffle alley games
- Shaker top allows even dispensing
- Contains no silicone balls
- Slowest wax in the line-up
- 1 lb. Cans
- 24 per case

MASTER GLAZE LIQUID WAX

- First step to revitalize the shuffleboard
- Creamy rich liquid polishes to a high glaze
- Apply first, then maintain with other Sun-Glo® waxes
- Quart size cans
- 12 per case

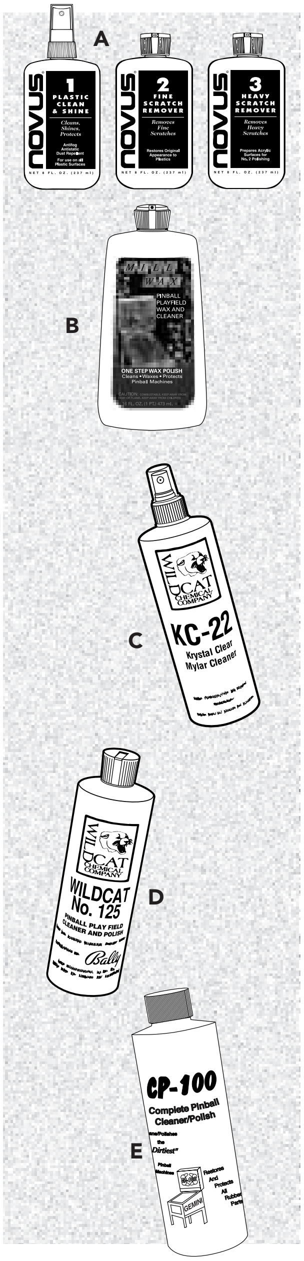
SILICONE SPRAY

- Specifically designed for Shuffleboard games
- Fast drying, leaves no greasy or oily film
- Simply spray a light film on a clean surface, then reapply powder for a fast shuffleboard
- Eliminates tracking and saves powder
- 12 oz. net wt.
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	Full Case
49-0469-00	Super-Glide Shuffleboard Wax, 24 per case	4.70	4.06
29-0269-00	Tournament Gold Shuffleboard Wax, 24 per case	5.20	4.45
49-0482-00	Brown Bear Shuffleboard Wax, 12 per case	5.60	4.15
29-1020-00	5-Star Shuffleboard Wax, 12 per case	4.15	3.20
29-1057-00	Shuffle Alley and Bowler Wax, 24 per case	4.30	3.33
29-1034-00	Master Glaze Liquid Wax, 12 per case	12.30	11.15
29-1089-00	Silicone Spray, 12 per case	9.25	8.25

PLAYFIELD CLEANERS & POLISHES


A
NOVUS 1 PLASTIC CLEAN & SHINE
NOVUS 2 FINE SCRATCH REMOVER
NOVUS 3 HEAVY SCRATCH REMOVER
B
PINBALL PLAYFIELD WAX AND CLEANER
ONE STEP WAX POLISH
C
WILDCAT CHEMICAL COMPANY
KC-22
Krystal Clear Mylar Cleaner
D
WILDCAT No. 125
PINBALL PLAY FIELD CLEANER AND POLISH
Bally
E
CP-100
Complete Pinball Cleaner/Polish
GEMINI

Novus Cleaner & Polish

- Cleans and protects playfield surface for long life
- Special formula removes light to heavy scratches in playfields and plexiglass
- Recommended by major pinball manufacturers

Mills Pinball Playfield Wax & Cleaner

- Excellent one step non-abrasive playfield wax and cleaner
- Great cleaner for rubber rings
- 16 oz. squeeze btl.,12 per case

Wildcat KC-22 Krystal Clear Mylar Cleaner

- Non-petroleum based cleaner designed to be specifically used on mylar and other surfaces to achieve a clean, durable protective shine
- Will extend life of mylar playfields
- New style bottle prevents evaporation
- 16 oz. spray mist bottle
- 12 per case

Wildcat #125 Playfield Cleaner & Polish

- Excellent in cleaning pinball playfields
- Excellent for removing and cleaning up wax buildup in vending machines "price tab holders"
- New style bottle prevents evaporation
- 12 per case

Gemini CP-100 Playfield Cleaner & Polish

- Excellent for playfields, pool balls, rubber rings, etc.

NOVUS CLEANER & POLISH		Price per ea.	Price per case
25-1328-00	Novus #1, 8 oz. bottle, 24 per case	4.15	3.95
25-1329-00	Novus #2, 8 oz. bottle, 24 per case	5.30	5.10
25-1334-00	Novus #3, 8 oz. bottle, 24 per case	7.40	6.60
25-1330-00	Novus #1, 64 oz. bottle, 12 per case	16.10	14.85
25-1331-00	Novus #2, 64 oz. bottle, 12 per case	27.20	25.90

MILLS PINBALL PLAYFIELD WAX & CLEANER		Price per ea.	L/12
29-1040-00	Mills Pinball Playfield Wax & Cleaner	8.65	8.25

WILDCAT KC-22 KRYSTAL CLEAR CLEANER		Price per ea.	L/12
29-1052-00	Wildcat KC-22 Krystal Clear Mylar Cleaner	11.10	10.40

WILDCAT #125 PLAYFIELD CLEANER & POLISH		Price per ea.	L/12
25-1332-00	Cleaner & Polish (Quart Size)	17.30	16.75
25-1333-00	Cleaner & Polish (Pint Size)	11.15	9.95

GEMINI CP-100 PLAYFIELD CLEANER & POLISH		Price per ea.	Price Full case
29-1095-00	Cleaner & Polish (16 oz.), case/12	9.85	9.30
29-1051-00	Cleaner & Polish (8 oz.), case/24	4.40	4.15

HAPP CONTROLS FOAMING COOLING COIL CLEANER

- Adds life and efficiency to the refrigeration compressor
- Cleans away grease and dirt simply by spraying on
- Spray the coils completely from the air intake side, the dirt and grime is pulled through to the filter by the forced air
- Pleasant lemon scent
- Convenient 18 oz. aerosol
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

HAPP CONTROLS
Foaming Cooling Coil Cleaner
CLEANS AND DEODORIZES
#29-1014 00
• Lemon Scented
• Sprays Rightside up or Upside down
• For Institutional and Industrial use
WARNING
NET WEIGHT 18 OZ. (1 LB. 2 OZ.) 510 g

Part Number		Price per ea.	L/12
29-1014-00	Happ Controls Foaming Cooling Coil Cleaner	4.10	3.85

HAPP CONTROLS STAINLESS STEEL CLEANER

- Cleans, polishes and brightens stainless steel
- Polishes to a non-greasy invisible coating, resisting future dirt and fingerprints
- Almond scented
- 18 oz. spray can
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

HAPP CONTROLS
Stainless Steel Cleaner
CLEANS, POLISHES AND BRIGHTENS
#29-1039-00
• Works Great On Stainless, Chrome, Aluminum
• Almond Scented
• Waterbase Formula Is U.S.D.A. Rated
CAUTION
NET WEIGHT 18 OZ. (1 LB. 2 OZ.) 510 g

Part Number		Price per ea.	L/12
29-1039-00	Happ Controls Stainless Steel Cleaner	5.00	4.40

Visit Our Web Site:
for *NEW* Product Updates!!
HAPP
VISIT OUR WEBSITE

MINI DUST GUN 100 COMPRESSED AIR

- A powerful blast of air!
- Ideal size for tool boxes – only 4.25" high x 1.5" diameter
- Instantly removes microscopic dust and lint
- Completely dry; leaves no residue
- Non-toxic, odor free
- 100% ozone safe
- Non-flammable – contains no ether
- Extension nozzle included
- 2.5 oz.

NEW

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.
29-0007-00	Mini Dust Gun 100 Compressed Air	5.25

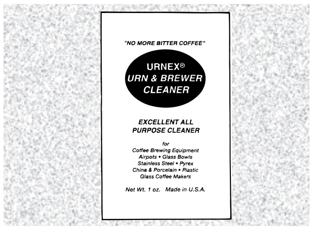
E-Z VEND WAX & OIL REMOVER

- Easily removes wax and oil buildup on snack machine shelves and plastic shelf fronts
- Allows snacks to vend easily
- Cleans and polishes
- Reduces wear and tear on vend motors
- Convenient 8 oz. bottle allows easy storage in tool box

Part Number		Price per ea.	L/12
29-1183-00	E-Z Vend Wax & Oil Remover, 8 oz.	10.70	10.20

URN CLEANER

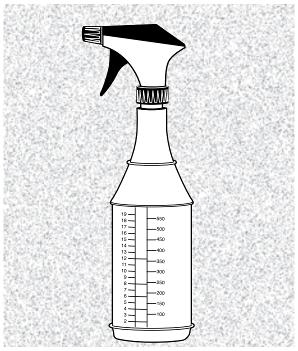
- Eliminates stale odors and bad taste from coffee
- Great for metal and glass fixtures. (Not recommended for aluminum)
- Easy to use 1 oz. package
- Minimum order 10



Part Number		Price per ea.	L/50
29-1160-00	Coffee Urn Cleaner	.39	.34

PLASTIC SPRAY BOTTLE

- Trigger Release
- 24 oz. size



Part Number		Price per ea.
29-1122-00	Plastic Spray Bottle	4.15

HAPP CONTROLS ENVIRO-DUSTER

- A powerful blast of compressed air
- Use on electronics, optics and more
- Pinpoint blasting spray
- Non-toxic and odor free
- Non-flammable
- High purity – no residue
- Moisture free
- Non-ozone depleting
- 12 oz. can with built-in continuously variable trigger valve and extension nozzle
- 12 per case

NEW

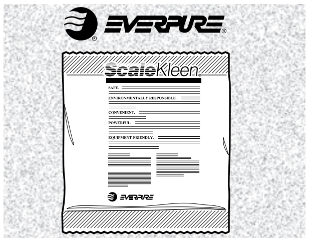
SHIPPED UPS GROUND OR TRUCK ONLY

HAPP CONTROLS
Enviro-Duster
• Pinpoint Blasting Spray
• Non-flammable
• Non-Ozone Depleting
• High Purity - No Residue
• Use on Electronics, Optics and More
• Non-Toxic and Odor Free

Part Number		Price per ea.	L/12
29-1900-00	Happ Controls Enviro-Duster	6.95	5.95

SCALE CLEAN BY EVERPURE

- Used in coffee urn on all types of vending machines
- All natural, biodegradable, non-toxic/corrosive and environmentally safe
- Delimes
- Safe, organic formula eliminates scale without foul fumes



Part Number		Price per ea.	Price per case.
29-1049-00	1.75 oz Package, 12 per case	2.25	2.15
29-1061-00	2.2 lb. Bag, 4 per case	18.25	17.05

SQUEAK'N CLEAN COFFEE POT CLEANER

- Keeps coffee machines, pots and brew baskets clean for better tasting coffee
- 100% Non-Toxic
- Prevents coffee oil build-up odors and stains
- Contains no acids, perfumes or abrasives
- Leaves No after-taste
- Requires no boiling, no soaking; simply apply 3 or 4 squirts to area to be cleaned,apply hot water, bathe and rinse
- 12 oz. bottle

Part Number		Price per ea.	L/12
29-1165-00	Squeak'n Clean Coffee Pot Cleaner	5.30	4.80

NICKEL SAFE ICE MACHINE CLEANER

- Safely removes scale deposits from ice machines
- Safe on nickel plated or tin evaporators
- 16 fl. oz., 24 per case

Part Number		Price per ea.	L/12
29-1019-00	Nickel Safe Ice Machine Cleaner	10.95	8.95

TECHSPRAY FLUX REMOVER G3™

- Designed specifically for removing R, RA, RMA and SA type flux residues after high temperature reflow.
- Can also be used as an all-purpose cleaner to remove light oils, silicones, waxes, greases and other similar contaminants
- Formulated to be a direct replacement for all defluxers containing HCFC-141b
- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Zero residue
- Rapid evaporation
- 16 oz. aerosol
- Tech Spray No. 1631-16S

NEW

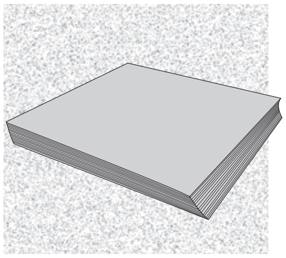
SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-0207-00	Techspray Flux Remover G3™	16.15	15.65

TECHSPRAY TECHCLEAN® SMT BLUE WIPES

NEW

- Specifically designed for general maintenance
- Lint free - particle free
- Extra absorbent to capture liquids
- Cellulose/polyester wipes with extra low particulate and chemical extractables
- Sold in packages of 300



Part Number		Price per ea.	L/12
27-0038-00	Techspray TechClean SMT Blue Wipes	29.25	28.40

TECHSPRAY BLUE SHOWER G3™ CLEANER/DEGREASER

- Effective in cleaning electronic equipment, machinery, metal parts and other general cleaning applications
- Innovative blend designed for precision cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes, etc.
- New patented technology is direct replacement for all cleaner/degreasers containing HCFC-141b
- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Zero residue
- Rapid evaporation
- 16 oz. aerosol
- Tech Spray No. 1630-16S

NEW

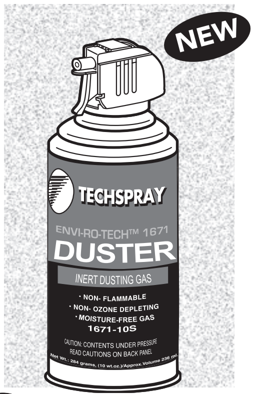
SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-0209-00	Techspray Blue Shower G3™ Cleaner / Degreaser	16.85	16.15

TECHSPRAY ENVI-RO-TECH DUSTER

- Exceptionally pure inert dusting gas
- Moisture free inert gas removes particles without the use of harmful solvents
- Removes microscopic contaminants, lint, dust, metallic oxide deposits and other soils
- Formulated with HFC-134a which has a zero ozone depletion factor
- Non-Flammable
- Odorless
- Zero Residue
- 10 ounce and 15 ounce aerosol available
- 12 per case

NEW



SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-0046-00	ENVI-RO-TECH Duster 10 oz.	9.55	8.81
29-0047-00	ENVI-RO-TECH Duster 15 oz.	12.49	11.79

TECHSPRAY CONTACT CLEANER G3™

- Precision blend designed for removing oils, greases, silicones, dirt and other grime from all types of switches, relays, contact pads and other electrical connections
- New patented technology is direct replacement for all contact cleaners containing HCFC-141b
- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Zero residue
- Rapid evaporation
- 16 oz. aerosol
- Tech Spray No. 1632-16S

NEW

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.	L/12
29-0208-00	Techspray Contact Cleaner G3™	16.85	16.15

TECHSPRAY ZERO CHARGE® SCREEN & KEYBOARD CLEANER

- Eliminates static charge from sensitive surfaces and provides long-term static protection
- For optical clarity and distortion free reading
- Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon and other soils
- Safe on plastic, ceramics, glass, metal and elastomers
- Non-streaking
- Non-ozone depleting
- 50 pre-saturated packets per box; 10 boxes per case
- Sold in boxes of 50

NEW

Part Number		Price per ea.	L/12
29-0059-00	Techspray Zero Charge® Screen and Keyboard Cleaner	18.75	18.20

ENVI-RO-TECH FREEZER

- HFC-134a based rapidly evaporating liquid that chills to -620F
- Used as a troubleshooting aid for electronic components
- Detects cold solder joints, printed circuit board cracks and oxidized junctions
- Will not harm the ozone
- Net wt. 10 oz., 12 per case

Part Number		Price per ea.	L/12
29-1056-00	Envi-Ro-Tech Freezer	9.95	9.45

TECHSPRAY TECHCLEAN TWILLWIPE

- Designed for wiping abrasive surfaces
- Tightly woven 100% cotton enables it to be used in static sensitive areas
- Low triboelectric generation
- Non-existent chemical extractables
- Pure cleaning
- Low linting
- 6” X 6” flat wipes
- Sold per bag of 100 wipes

Part Number		Price per ea.
29-0211-00	Techspray Techclean Twillwipe	17.35

TECHSPRAY LABEL & ADHESIVE REMOVER

- Specially designed hydrocarbon cleaner that safely removes labels and adhesive gums from equipment
- Effectively removes gummy residues, labels, stickers, ink marks, beverage spills and other contaminants
- Penetrates rapidly
- Non-ozone depleting
- Safe on most plastics
- Natural solvent
- High flash point
- Pleasant odor
- 2 ounce bottle
- Packed 24 per case

Part Number		Price per ea.	L/24
29-0032-00	TechSpray Label & Adhesive Remover	6.35	6.20

TECHSPRAY TECH HOLD®

- General Purpose, single component, cyanoacrylate adhesive
- High strength, fast bonding and high impact holding
- Fast acting and durable bonding
- Meets or exceeds MIL-A-46050C Type II, Class 2
- 3 grams

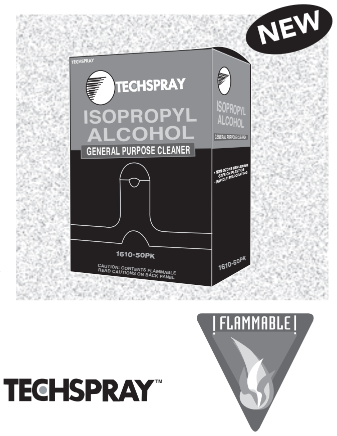
Part Number		Price per ea.
29-0195-00	Techspray Tech Hold®	2.50

TECHSPRAY BLUE SHOWER II

- General purpose cleaner and degreaser
- Non-flammable and safe on most plastics
- For precision cleaning of polar and non-polar soils including hand soils, solder soils, greases, silicone, fluxes and similar soils
- Excellent for tape head cleaning
- Evaporates rapidly
- Zero residue
- Non-corrosive
- Low ozone depletion
- Available in 8 oz or 18 oz aerosol

Part Number		Price per ea.	L/12
29-0210-00	Blue Shower II, 8 ounce	13.20	12.45
29-0044-00	Blue Shower II, 18 ounce	26.95	23.95

TECHSPRAY PREP PADS



- Pre-saturated isopropyl alcohol packets
- 99.6% pure anhydrous isopropanol for general purpose cleaning
- Excellent for tape head cleaning, removal of fluxes, light oils, polar soils and white mineral residue
- Can be used as a thinner for most fluxes
- Non-ozone depleting
- Safe on plastics
- Zero residue
- Non-corrosive
- 50 pre-saturated packets per box; 10 boxes per case
- Sold in boxes of 50

Part Number		Price per ea.
29-0028-00	Techspray Prep Pads	17.95

TECHSPRAY BRUSH ATTACHMENT KIT

- Designed for precise control of cleaning applications
- Allows convenient, one-handed cleaning
- The brush attachment is simply installed on top of the aerosol can
- The valve allows complete control of the amount of solvent applied
- 3 brushes are included along with the brush attachment
- The medium horse hair brush (1992) is recommended for most electronic cleaning applications
- The long horse hair brush (1993) is designed for more sensitive areas
- The brass brush (1994) is for aggressive cleaning of stubborn soils and precious metals

Part Number		Price per ea.
92-0982-00	Techspray Brush Attachment Kit	23.90

SIMPLE GREEN CLEANER

- Great all-purpose cleaner
- Non-toxic, biodegradable formula removes grease, grime and dirt on parts
- Safe to use cleaning hands
- Water-based concentrate can be used full strength for tough jobs, or dilute for easier jobs
- 1 gallon size, 6 per case

Part Number		Price per ea.	L/6
29-1037-00	Simple Green Cleaner	27.10	24.60

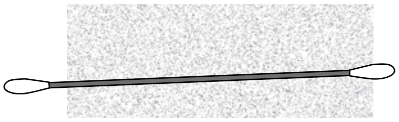
FLUX REMOVER AND CLEANER

- Removes all types of organic flux
- Pinpoint applicator supplied
- Convenient, fast and ready to use
- Non-flammable
- 16 oz. can
- 12 cans per case

Part Number		Price per ea.	L/12
29-1134-00	Flux Remover and Cleaner	8.90	8.50

DOUBLE HEADED CLEANING SWABS

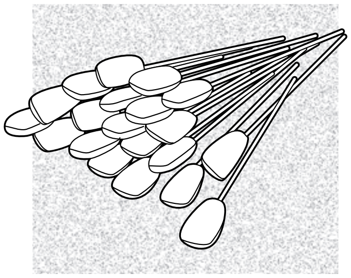
- Cotton tips swabs for general cleaning with alcohol, Freon TF, 1,1,1 Trichloroethene, etc.
- 6" long



Part Number		Price per bag
92-0028-00	Double Headed Cleaning Swabs (bag of 50)	5.00
92-0028-10	Double Headed Cleaning Swabs (bag of 1000)	32.99

POLY & COTTON LINT FREE SWABS

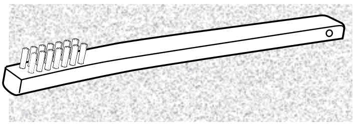
- A special absorbent polyurethane swab
- Has a fine texture that is gentle enough to clean delicate surfaces
- Reusable if used with solvents such as TF solvent, alcohol, etc.
- Sold in packs of 30
- 6 packs per box
- 6" wooden handle



Part Number		Price per pack
92-0023-00	Poly & Cotton Lint Free Swabs	9.55

BRASS WIRE BRUSH

- Wooden handle with brass bristles
- 10" long



Part Number		Price per ea.
89-0220-00	Brass Wire Brush	4.15

ISOPROPYL ALCOHOL

- Extremely pure alcohol
- Frequently recommended by manufacturers of tape drives
- Leaves no residue
- Non-aerosol
- Screw-top can
- 16 oz. can
- 12 cans per case

Part Number		Price per ea.	L/12
29-1125-00	Isopropyl Alcohol	10.65	9.80

SCOT'S CITRUS CLEAN REMOVER

NEW

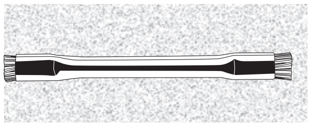
- Dissolves tape, tar, gum, permanent marker, glue, grease and more
- Removes chewing gum, price stickers, lipstick, tape residue, crayon, oil, and more
- Water-based non-oily formula contains no petroleum distillates
- Great for use on video games, vending machines and slot machines
- Clean smelling citrus scent
- 8 fl. oz. bottle
- Packed 6 per case

Part Number		Price per ea.
29-0237-00	Scot's Citrus Clean Remover	3.95

TECHSPRAY TECHNICAL CLEANING BRUSH

NEW

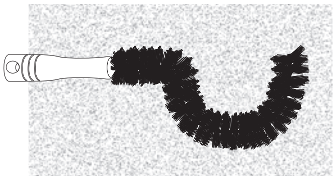
- 4-1/2" plated steel handle
- 1/4" and 3/16" horse hair bristles
- Ref. No. 2032-1



Part Number		Price per ea.
89-0009-00	TechSpray Technical Cleaning Brush	6.25

COFFEE POT BRUSH

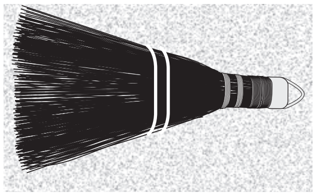
- Curved tip
- 10-1/2" overall length
- 1-3/8" Diameter
- Laquered wood handle
- Polypropelene bristles



Part Number		Price per ea.
89-0227-00	Coffee Pot Brush	4.50

CORN WHISK BROOM

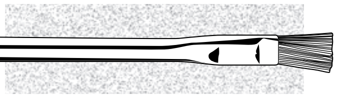
- 10-1/2" overall length



Part Number		Price per ea.
89-0228-00	Corn Whisk Broom	6.45

ACID BRUSH

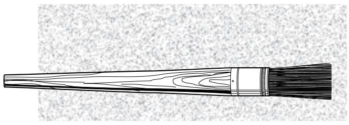
- 6" long
- 4 per card
- Sold each or by the card



Part Number		Price per ea.
89-0224-00	Acid Brush	.97

PARTS CLEANING BRUSH

- Great for washing parts
- Wooden handle
- Nylon bristle
- 10" long

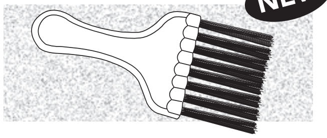


Part Number		Price per ea.
89-0221-00	Parts Cleaning Brush	5.05

CONDENSOR FIN WHISK BRUSH

NEW

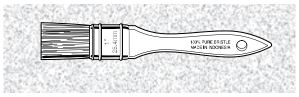
- Clean the dirty fins in back of your machines



Part Number		Price per ea.
27-2026-00	Condensor Fin Whisk Brush	1.45

BRUSH

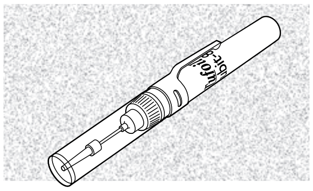
- Available in 1" width only



Part Number		Price per ea.
89-0223-00	1" Brush	1.10

TUFOIL® LUBIT 8®

- Light weight, pen size oiler dispenses 1 drop of oil at a time, when and where you want it
- Pocket clip makes it easy to carry all the time
- 1/4 fl. oz.



Part Number		Price per ea.	L/12
29-1036-00	Tufoil Lubit 8®	4.40	3.85

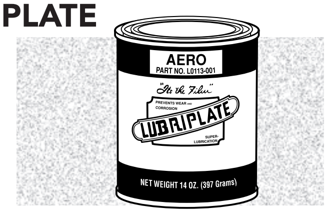
ZOOM SPOUT OILER

- The finest all-purpose turbine oil uniquely packaged to reach those hard to get to areas
- Telescoping spout extends out of the bottle up to 14" long
- A must for every toolbox
- Withstands high temperatures
- Net wt. 4 fl. oz., 72 per case

Part Number		Price per ea.	L/12
29-1033-10	Zoom Spout Oiler	1.65	1.45

LUBRIPLATE

- This paste-like lubricant works great on gears, motors, engines
- Provides protection against friction, wear, heat, rust & corrosion



Part Number		Price per ea.	L/6
29-1023-00	Lubriplate 14 oz. can	11.00	9.75
29-1059-00	Lubriplate 1-3/4 oz. tube	3.40	3.25

WD-40

- Lubricates – contains no additives that attract dust and dirt
- Cleans – gets under dirt, oil, grease & grime to clean the surface
- Displaces moisture and is a non-conductor of electricity
- Quickly eliminates moisture induced short circuits
- Penetrates to loosen rust from metal
- Protects with corrosive resistant ingredients

Part Number		Price per ea.	Case
29-1041-00	WD-40, 2 oz. Aerosol can, 24 per case	3.25	2.75
29-1042-00	WD-40, 11 oz. Aerosol can, 12 per case	5.75	5.15
29-1043-00	WD-40, 16 oz. "Industrial Size" Aerosol can,12 per case	7.30	6.90
29-0203-00	WD-40 Gallon	26.05	24.45

SILICONE SPRAY

- Clean, dry, food grade silicone spray, lubricates without spotting or odor
- Inhibits rust, repels water
- FDA Approved
- Net wt. 20 oz., 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY
Camie
999
DRY SILICONE

Part Number		Price per ea.	L/12
29-1032-00	Silicone Spray	5.20	4.65

MR. ZIP® EXTRA FINE GRAPHITE

- Mr. Zip® Extra Fine Graphite
- Dry powder graphite is great for lubricating all surfaces including wood, metal, plastic & rubber
- .21 oz. tube (6 g)
- 12 per case

Part Number		Price per ea.	L/12
29-1010-00	Mr. Zip® Extra Fine Graphite	3.85	3.25

BUTANE GAS REFILL

- Premium grade butane
- For use with Portasol soldering tool and similar tools
- Contains no contaminants
- Will not clog valves or deactivate catalytic conversion materials
- Net Wt. 3 fl.oz.
- Can be shipped via ground only

Part Number		Price per ea.
29-1055-00	Butane Gas Refill	7.25

3M™ SPRAY ADHESIVE

SHIPPED UPS GROUND OR TRUCK ONLY

3M SPRAY ADHESIVE #74
- Quick tack in bonding most materials: cloth, wood, plastics and metal
- 23.25 fl. oz.

3M SPRAY ADHESIVE #76
- Longer tack time – bonding in 10 minutes for a single sprayed surface, 1 hour for two coated surfaces
- Adjustable spray allows varied widths to be sprayed, eliminates spraying of too much adhesive
- 23.5 fluid oz.

3M SPRAY ADHESIVE #77
- Will initially “grab” the material, but allows time to adjust before permanent bonding
- 23 fluid oz.

3M SPRAY ADHESIVE #90
- Exceptionally strong contact adhesive
- One minute dry time
- Adjustable spray tip allows varied widths to be sprayed
- Bonds decorative laminates wood, metal, plastics and many other materials
- 16.6 fluid oz.

NOTE: #74, #76, #77 cannot be sold in the state of California

Part Number		Price per ea.	L/12
29-1006-00	3M Spray Adhesive #74, 12 per case	12.65	12.10
29-1007-00	3M Spray Adhesive #76, 12 per case	14.95	14.50
29-1008-00	3M Spray Adhesive #77, 12 per case	10.75	8.97
29-1069-00	3M Spray Adhesive #90, 12 per case	17.45	15.00

3M SCOTCHGRIP 10 CONTACT ADHESIVE

- Great solvent based adhesive
- Bonds to a wide variety of materials including many metals
- Fast drying - typically in 5 to 10 minutes
- Moisture resistant
- Sold in one quart cans (32 oz.)

SHIPPED UPS GROUND OR TRUCK ONLY

Part Number		Price per ea.
29-1068-00	3M Scotchgrip 10 Contact Adhesive	20.00
89-0223-00	1" Brush	1.10

GOO GONE® PRO-POWER SPRAY GEL

- Stick with a winner that sticks
- Now in a spray gel that sticks where you spray
- New drip-free formula eliminates the mess
- Say “Goo-Bye” to sticky, gummy, greasy, gooey problems
- Safe to use on almost any surface
- Safe to breathe, natural orange scent
- Quickly eliminates: paint, adhesive, price stickers, decals, tape residue, chewing gum, oil and printer’s ink
- Works great on vertical surfaces
- 14 oz. spray bottle, 12 per case

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-0002-00	Goo Gone Pro Power Spray Gel	9.40	8.35

HAPP CONTROLS SPRAY ADHESIVE

- Pressure sensitive adhesive
- Strong, instant tack
- 20 oz. can
- 12 per case

SHIPPED UPS GROUND OR TRUCK ONLY

NOTE: Cannot be sold in the state of California

Part Number		Price per ea.	L/12
29-1017-00	Happ Controls Spray Adhesive	7.30	6.15

CUE TIP CEMENT

- Great for attaching leather tips to cue sticks
- Will not harm leather tip
- 2 oz. tube

Part Number		Price per ea.	L/12
26-1107-00	Tweeten Cue Tip Cement	3.25	3.05

BARGE CEMENT

- Great for recovering of pool tables
- Bonds clean, dry surfaces
- Bonds many times stronger than the strength of items being glued

Part Number		Price per ea.	L/12
29-1024-00	Barge Cement, 2 oz. Tube	5.40	4.05

ECLECTIC E-6000™ ADHESIVE SEALANT

- Silicone type texture that dispenses like caulk
- Aggressively grabs surface and holds; will stretch, but won’t let go
- Great for sealing doors of machines
- Adheres to cement, metal, glass, tile, plastic, rubber, leather, wood & vinyl
- Waterproof/Non-flammable
- Net weight 3.7 fl. oz. tube
- 12 per case

Part Number		Price per ea.	L/12
29-1021-16	Eclectic E-6000 Adhesive – Black	7.45	6.30
29-1021-18	Eclectic E-6000 Adhesive – Clear	7.45	6.30

ORIGINAL GOO GONE

- Nothing removes sticky, gummy, gooey, greasy spots and stains better
- It really works – anywhere, anytime, on practically anything!
- Removes Stickers, grease, oil, gum, tar, crayon, tape, lipstick, etc.
- Safe to use on virtually any surface – clothing, carpets, upholstery, vinyl, metal, wood, tile, you-name-it
- Pleasant citrus odor
- 8 oz. liquid
- 12 per case

FLAMMABLE Ground Freight Only

Part Number		Price per ea.	L/12
29-1178-00	Original Goo Gone	6.60	6.25

INSTANT KRAZY GLUE

- No mixing, no mess
- One drop application
- Ideal for plastic, metal, rubber, glass and ceramic
- Net wt. .07 oz. (2 g)

Part Number		Price per ea.	L/12
29-1044-00	Instant Krazy Glue - All Purpose	2.15	1.95

KRAZY GLUE GEL

- Best for vertical applications
- Glues up, down and sideways
- Allows repositioning
- No-clog applicator
- Bonds porous surfaces
- Larger 4 gram size
- Best for Plastic, leather, wood, ceramic, rubber, metal and pottery
- Net Wt. 0.14 oz. (4g)

Part Number		Price per ea.	L/12
29-1159-00	Krazy Glue Gel	3.45	3.15

KRAZY GLUE WITH PRECISION APPLICATOR

- No-clog applicator
- Easy seal hanger cap
- Advanced formula bonds faster than many ordinary super glues
- Larger 5 gram size
- Best for plastic, wood, ceramic, rubber, metal and glass
- Net Wt. 0.18 oz. (5g)

Part Number		Price per ea.	L/12
29-1185-00	Krazy Glue with Precision Applicator	3.45	3.15

LOCTITE 242® THREADLOCKER

- Locks threaded fasteners against vibration loosening
- Prevents leaks and rusting of threads
- Parts can be disassembled with hand tools
- Ideal for fasteners 1/4" to 3/4" (6 to 20 mm) in size
- O.E.M. specified as 242® Blue
- Net 0.08 fl. oz.

LOCTITE®

Part Number		Price per ea.
29-1146-00	Loctite 242® Threadlocker	5.00

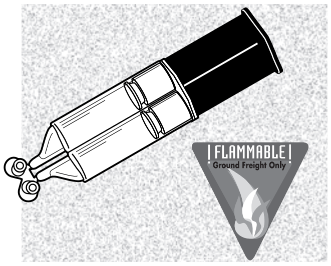
SAFETY SOLVENT DEGREASER

- Non-flammable solvent degreaser
- Removes dirt, grease and grime from motor parts, bearings, tools, etc.
- Size 16 oz. net wt.
- Aerosol
- 12 cans per case

Part Number		Price per ea.	L/12
29-1112-00	Safety Solvent Degreaser	9.60	8.75

DEVCON 5-MINUTE EPOXY

- Ideal for making quick repairs to metals, ceramics, wood and concrete
- Forms a clear strong bond in just 5 minutes and cures to full strength in less than one hour at room temperature
- 1 oz. size, 24 per case



Part Number		Price per ea.	L/24
29-1054-00	Devcon 5-Minute Epoxy	6.90	6.50

OIL EATER CLEANER/DEGREASER

- Low cost, ultra-concentrated cleaner/degreaser removes grease from machines, engines, tools, concrete, etc.
- Excellent for use on scuff marks, carpet cleaning, floor wax remover, counter tops
- Non-caustic, biodegradable
- No V.O.C.'s or harmful fumes
- No chlorinated solvents
- USDA authorized
- Can be heated for enhanced cleaning
- Non flammable

Part Number		Price per ea.	Price per case
29-1155-00	32 oz. Oil Eater with Trigger Spray	7.45	6.90 (L/12)
29-1156-00	1 Gal. Oil Eater Cleaner/Degreaser	21.70	20.40 (L/4)

BAD AIR SPONGE

NEW

Not an Air Freshener but A True Odor Neutralizer!

- Great for coffee machines - eliminates foul odor from old coffee grounds
- Neutralizes odors such as cigarette and cigar smoke, cooking, garbage, decay, solvents, mildew, gasoline, etc.
- Used in areas such as vending machines, food prep areas, restrooms, casinos, hotel guestrooms, bars, warehouses, offices, storage areas, etc.
- USDA approved for food applications
- Works 3 ways - adsorbs, entraps and neutralizes odors
- Based on a patented formula the Bad Air Sponge is a solid, paste-gel containing activated charcoal
- Easy to use - just remove the container lid
- A passive, safe product that simply evaporates when opened
- Non-toxic, non-flammable and environmentally safe
- 1 lb. canister
- Made in USA

QUALITY MADE IN THE U.S.A.

ADSORBANT • ODOR NEUTRALANT • OD
The Original
BAD AIR SPONGE
Safe for the environment and the people who use it!
Basements • Pets • Bathrooms • Mildew • Closets

Part Number		Price per ea.	L/24
27-1450-00	Bad Air Sponge	13.55	12.45

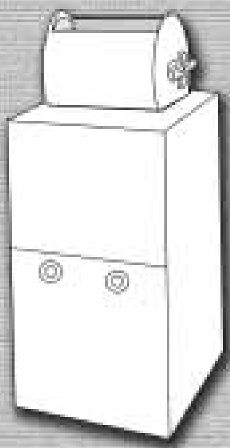
EDWARD CANISTER VACUUM

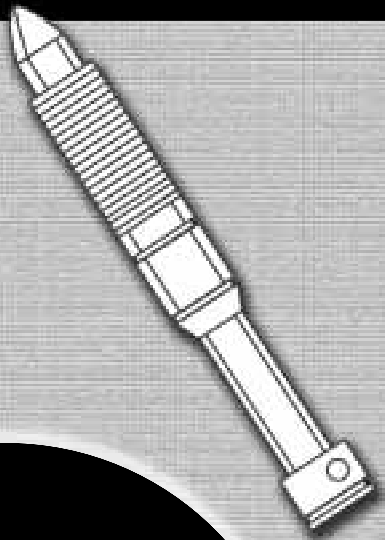
- Used by leading Family Entertainment Centers
- Quiet operation - 58 dB. Allows you to vacuum during business hours
- Superior suction and quality
- No beater bar or belts to wear out
- Dual filtering action with .5 micron filter @ 99.5% efficiency for outstanding dust control
- Lightweight - 17 lbs., 4.5 gallon capacity
- Stainless steel hose attachments
- 30 ft. enclosed power cord with manual winder
- 2 year warranty on motor, 10 year warranty on canister body
- Structural foam canister is long wearing, dent and corrosion proof

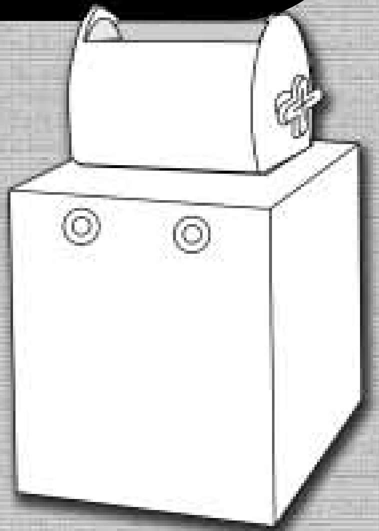
Part Number		Price per ea.
92-0291-00	Edward Canister Vacuum	404.70
92-0291-10	Replacement bags for Edward Canister Vacuum 10 Bags Per Pack	19.75

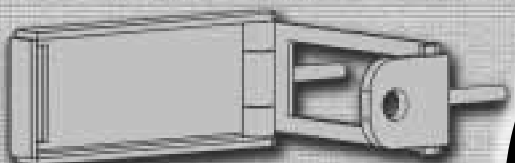
Visit Our Web Site:
for NEW Product Updates!!

HAPP CONTROLS SECURE PRODUCTS



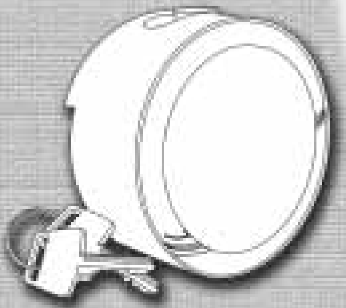


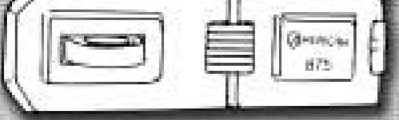


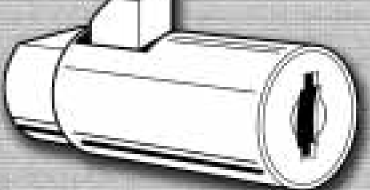


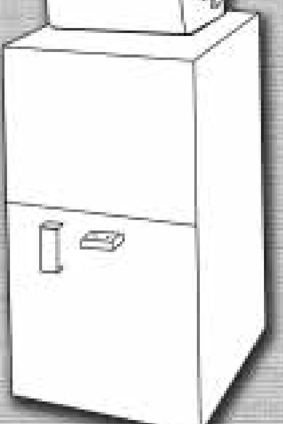
HAPP CONTROLS

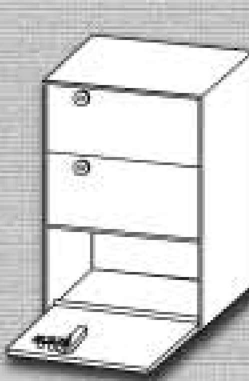
Offers a wide range of security products!

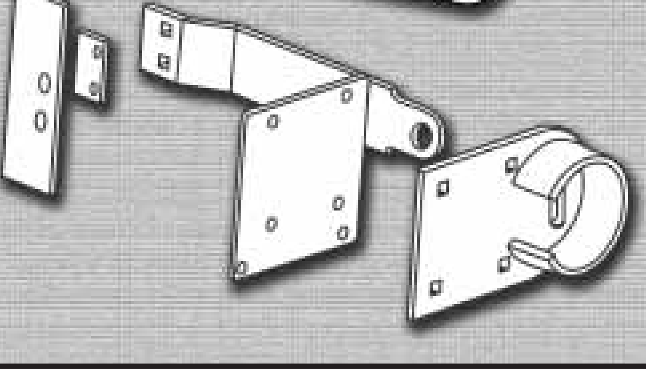






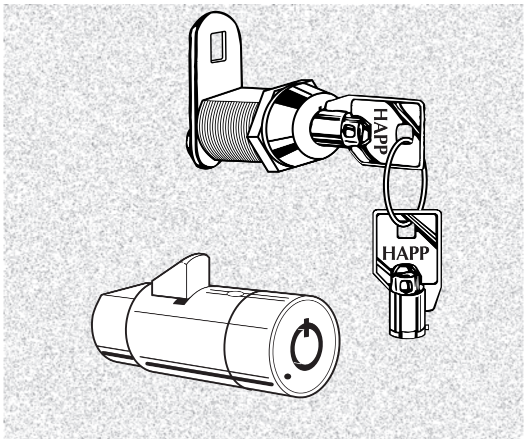






HAPP CONTROLS LOCK DEPARTMENT

Happ Controls now has it's own lock assembly department. We offer fast turn around on 7-pin tumbler locks. Most custom lock orders can be shipped within 48 hours. Happ locks can be keyed to your existing 7-pin tumbler key, if we receive a sample key with your order. Our 7-pin tumbler locks offer high security at a reasonable price. For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company.



HAPP CONTROLS SELLS BRAND NAME QUALITY

WESCO Industrial Products, Inc.
ZIPPY
Master Lock
KROY®
Lynde-Ordway
S.E.M. inc.
PĀP-R Products
MAGLINER® Route Distribution Solutions
FEDERAL LOCK COMPANY
OLSSON TERGO CLEANING TECHNOLOGY
LOCTITE®
mei™
MAG LITE®
KEP
OETIKER®
DURACELL®
Campbell®
WD-40®
Diamond®/Xcelite®
CHERRY®
Stevens
HAPP CONTROLS
Escort
Ardac®
Camie
portasol® P-1
American Lock Company
KLOPP® INTERNATIONAL, INC.
MAGNER
EAGLE
molex
ITW Devcon®
CashCode®
KESTER®
AZKOYEN
3M
COOPER Bussmann
HUBBELL® Wiring Device Division
INSTANT KRAZY GLUE
TRIPP·LITE POWER PROTECTION
RAYOVAC®
NORTECH
EVERPURE®
BladeSmith®
Weller®/Ungar®
Wiss®
Plumb®
Lectro Truck™ STAIR CLIMBING SYSTEM
GATOR GRIP® UNIVERSAL SOCKET
Weller®
MAG II 20
VELCRO® BRAND FASTENING SYSTEMS
Xcelite
IMONEX
EVEREADY®
KEY-BAK® DIV. OF WEST COAST CHAIN MFG. CO.
GEMINI® THE ORIGINAL CONVERTIBLE HAND TRUCK
ADVANCE TRANSFORMER CO.
Crescent®
Dutro COMPANY

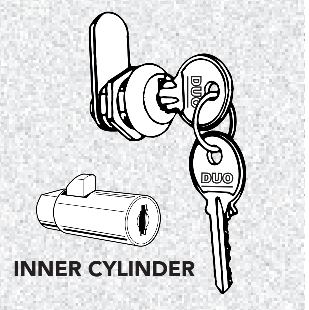
LOCKS

ECONOMY DOUBLE BITTED LOCKS

- High quality, double-bitted 6-disc tumbler locks provide added security
- Great for O.E.M. applications or as a general replacement lock
- 1-1/4” straight star cam locks in any position
- Utilizes a screw, not a nut
- 90 degree turn with a 12-3 key pull
- Ships complete, poly bagged and assembled with 2 keys
- Keyed alike
- Unique registered codes available upon request, 5,000 piece minimum quantity

Part Number		Price per ea.
30-2224-A05	5/8” Lock Assembly (A05)	3.50
30-2224-B10	5/8” Lock Assembly (B10)	3.50
30-2224-C15	5/8” Lock Assembly (C15)	3.50
30-2224-D20	5/8” Lock Assembly (D20)	3.50
30-2225-A05	7/8” Lock Assembly (A05)	3.60
30-2225-B10	7/8” Lock Assembly (B10)	3.60
30-2225-C15	7/8” Lock Assembly (C15)	3.60
30-2225-D20	7/8” Lock Assembly (D20)	3.60
30-2226-A05	1-1/8” Lock Assembly (A05)	3.75
30-2226-B10	1-1/8” Lock Assembly (B10)	3.75
30-2226-C15	1-1/8” Lock Assembly (C15)	3.75
30-2226-D20	1-1/8” Lock Assembly (D20)	3.75
30-0440-18	1-1/8” Spare Cam w/1/8” offset	.30

DUO CAM LOCKS, TRIPLE BITTED



- High security, 14 tumbler mechanism
- For existing key series, see your sales representative
- Keyed Different locks come with 2 keys per lock and a 1-1/4" straight cam
- Keyed Alike locks come with a 1-1/4" straight cam
- Keys must be purchased separately for Keyed Alike locks

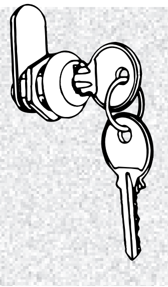
Part Number	Length	Keying	Price per ea.	L/50	L/100
30-1134-XXX	5/8"	Keyed Alike	14.75	14.60	14.50
30-1134-KD	5/8"	Keyed Different	29.55	28.50	26.50
30-1138-KD	7/8"	Keyed Different	25.45	24.05	23.35
30-1142-KD	1-1/8"	Keyed Different	20.80	20.55	20.35
30-1898-XXX	Inner Cylinder	Keyed Alike	14.95	14.85	14.75
30-1898-KD	Inner Cylinder	Keyed Different	23.45	22.40	20.35

MINIMUM LOCK ORDER POLICY

For Cam Type or Inner Cylinder Locks

New keyed alike series: Minimum 25 locks
Reorders of keyed alike locks: Minimum 10 locks

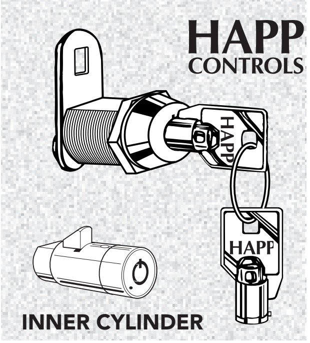
ECONOMY SINGLE BITTED LOCKS



- Used on most types of coin-operated equipment
- Economical single-bitted, 5-disc, tumbler lock
- Strong, dependable die-cast construction
- Keyed different locks come with 2 keys per lock and a 1-1/4” straight cam

Part Number	Length	Keying	Price per ea.	L/50	L/100
30-2224-KD	5/8”	Keyed Different	2.85	2.70	2.60
30-3141-KD	7/8”	Keyed Different	2.70	2.60	2.45
30-3143-KD	1-1/8”	Keyed Different	2.85	2.70	2.60

HAPP 7 PIN TUMBLER LOCKS



- 7-pin tumbler locks provide high security
- Bright chrome finish
- 90 degree turn
- Key can only be removed in the locked position
- Keyed Different locks come with 2 keys per lock and a 1-1/4” straight double D/double ended cam
- Keyed Alike locks come with a 1-1/4” straight double D/double ended cam
- Keys for Keyed Alike locks must be purchased separately
- Locks can be keyed to your existing 7 pin tubular key. Must send sample key
- Most Keyed Alike lock orders can be shipped within 48 hours
- For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company

Part Number	Length	Keying	Key #	Price per ea.	L/50	L/100
30-2201-XXX	5/8"	Keyed Alike	New #	5.55	5.20	4.90
30-2202-KD	5/8"	Keyed Different	–	5.55	5.20	4.90
30-2203-XXX	7/8"	Keyed Alike	New #	5.85	5.55	5.20
30-2203-KD	7/8"	Keyed Different	–	5.85	5.55	5.20
30-2206-XXX	1-1/8"	Keyed Alike	New #	6.05	5.85	5.55
30-2207-KD	1-1/8"	Keyed Different	–	6.05	5.85	5.55
30-2210-XXX	Keys only for keyed alike locks			1.85	–	–

Note: 3/8” Also Available

Inner Cylinder (I.C.)

30-2481-KD	I.C.	Keyed Different	9.35	8.85	8.50
30-2481-SP802	I.C.	House Keyed Alike 802	9.55	9.05	8.70
30-2481-SP804	I.C.	House Keyed Alike 804	9.35	8.85	8.50
30-2210-XXX	Keys only for keyed alike locks		1.75	–	–

- Note: We can also re-key your existing locks

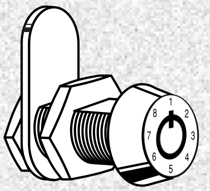
Visit Our Web Site:
for NEW Product Updates!!

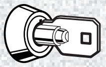
SECURITY

LOCKS

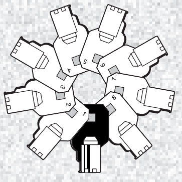
GEMATIC TYPE LOCKS

- This high-security, 'top of the line' lock has an 8-Pin tumbler mechanism.
- Programmable combinations allow you to change the combinations, on the spot, in just seconds.
- Saves replacing the entire lock in case a key is lost or stolen.
- Gematic type locks consist of 8 different lock combinations
- Comes with 1-1/4" straight cam
- A gold finished change key makes identification easy
- Operating keys and Change keys must be ordered separately





CHANGE KEY



#1-8 KEYS

Part Number	Length	Keying	Price per ea.	L/50	L/100
30-1600-XXX	5/8"	Keyed Alike	14.75	14.30	13.80
30-1602-XXX	7/8"	Keyed Alike	15.15	14.75	14.30
30-1604-XXX	1-1/8"	Keyed Alike	16.00	15.45	14.95
30-1608-XXX	Inner Cylinder	Keyed Alike	14.95	14.45	14.05
30-1626-XXX	Keys, #1 thru #8		1.95	–	–
30-1624-XXX	Change Key		2.15	–	–

MINIMUM LOCK ORDER POLICY

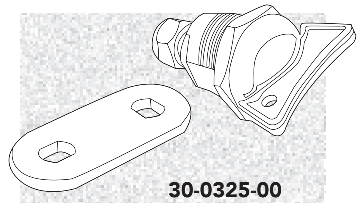
For Cam Type or Inner Cylinder Locks

New keyed alike series:	Minimum 25 locks
Reorders of keyed alike locks:	Minimum 10 locks

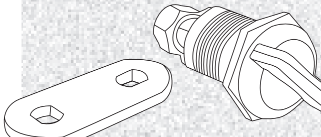
KEYLESS THUMB TURN LOCKS

NEW

- Useful for shipping coin-op cabinets to prevent door from opening in transit
- 90 degree (1/4 turn) rotation to lock/unlock
- Nickel finish zinc alloy housing and handle
- Includes hex nut, cam nut and cam
- Double-punched 1-1/4" straight cam allows fitting at 3,6,9, or 12 o'clock position
- Available in 5/8" or 7/8" cylinder lengths



30-0325-00

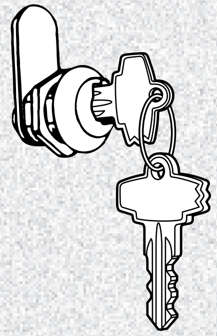


30-0324-00

Part Number		Price per ea.
30-0325-00	5/8" Length Keyless Cam Lock	2.50
30-0324-00	7/8" Length Keyless Cam Lock	2.75

FORT LOCKS, DOUBLE BITTED

- Double bitted locks offer a higher security than single bitted locks
- High-quality, bright finish die-cast metal construction
- Key turns 90 degrees
- Key may be removed only in the locked position
- Keyed Different locks come with 2 keys per lock and a 1-1/4" straight cam
- Keyed Alike locks come with 1 key per lock and a 1-1/4" straight cam

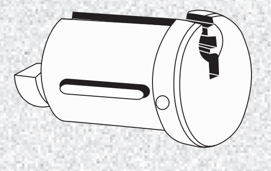


Part Number	Length	Keying	Key #	Price per ea.	L/50	L/100
30-3146-XXX	7/8"	Keyed Alike	New #	4.40	4.30	4.15
30-3145-KD	7/8"	Keyed Different	–	4.30	4.15	4.05
30-3148-XXX	1-1/8"	Keyed Alike	New #	4.50	4.40	4.30
30-3147-KD	1-1/8"	Keyed Different	–	4.40	4.30	4.15
30-3149-XXX	Keys Only, for Keyed Alike Locks			1.95	–	–

MEDECO® REMOVABLE CORE CAM LOCKS

NEW

- Medeco® removable core cam locks offer security solutions to unique challenges.
- Allows you to make a quick combination change in case a key is lost. Simply remove the core and replace it with a new one, providing a whole new combination.
- Core can be replaced in a matter of seconds therefore reducing machine downtime due to lock replacement.
- Comes with one of the strongest keys available, designed to prevent breakage.



Features and Benefits:

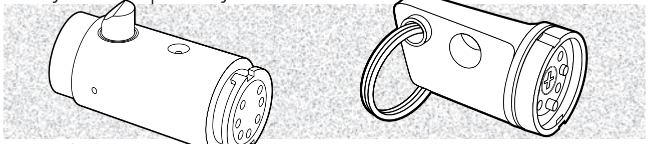
- Rapid core replacement saves time and money related to lock replacement.
- Thicker key helps prevent key breakage.
- Keys come with a lifetime warranty against breakage.
- Vertical keyway will minimize machine downtime due to key breakage.
- Patented key control provides protection from unauthorized duplication of keys.
- Medeco's Authorized Service Centers provide fast service for replacement cores, locks and keys.
- Construction cores are available for installing locks at manufacturers, which will minimize machine set up costs.
- Various cam lengths available
- Keys sold separately
- Locks are special order only. All locks are restricted to specific customers

Part Number		Price per ea.
30-3000-7BWXX	7/8" Removable Core Cam Locks	27.20
30-3001-7BWXX	Operating Key	3.75
30-3002-7BWXX	Core Key	3.75

LOCKS

VAN INNER CYLINDER LOCK

- State-of-the-art, American made security system
- Flat face design and absence of a "keyway" make Van locks virtually pull resistant
- One piece housings make Van lock virtually punch resistant
- Keys sold separately
- Hardened steel pin in the face of the lock makes Van locks virtually drill resistant
- Keys are practically hand made, no key machines or blank keys can duplicate these keys.
- New K5 metal keys are more durable than plastic keys



Part Number		Price per ea.	L/25	L/50
30-1882-XXX	Van Inner Cylinder Lock, Keyed Alike	18.40	17.00	15.70
30-1885-XXX	Key Only, for Van Inner Cylinder Lock	7.20	—	—

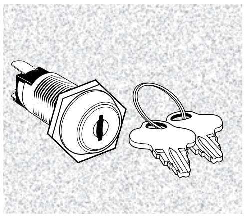
MINIMUM LOCK ORDER POLICY

For Cam Type or Inner Cylinder Locks

New keyed alike series: Minimum 25 locks
Reorders of keyed alike locks: Minimum 10 locks

SWITCH LOCKS

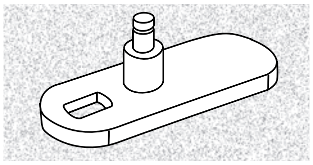
- Key is removable in OFF position only
- Momentary or ON/OFF available
- Double bitted keys are keyed alike #2341 with 2 keys per lock
- Spade terminals
- Barrel length: 1.0635"
- Overall length 2.03"
- 4 amps/125VAC, 2amps/250VAC



Part Number		Price per ea.
30-1086-00	Momentary Switch Lock Key is removable only in the OFF position	6.90
30-1086-01	On/Off Switch Lock Key is removable only in the OFF position	6.90

DOOR CAM

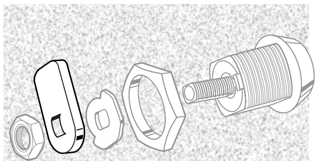
- For BALLY slots
- Ref. No. A-2930



Part Number		Price per ea.	L/100
70-0112-20	Door Cam	3.85	3.25

SMALL CAM FOR MARS LE3900 LRC

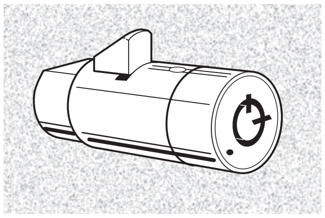
- Specially designed for the Mars LE3900 cash box
- For use with 5/8" locks threaded stem with 2 flat sides
- Length: 15/16"
- Lock sold separately



Part Number		Price per ea.
30-0168-00	Small Cam for Mars LE3900 LRC	2.40

FLEX-ACE INNER CYLINDER LOCKS

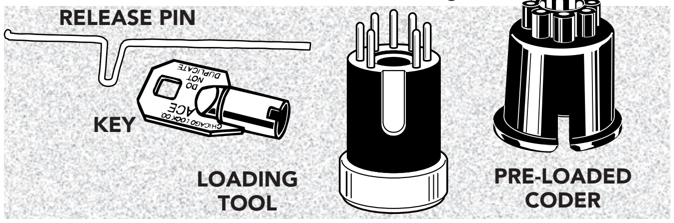
- Flex-Ace Quick-Change locks allows you to change tumbler combinations, at the location, quickly and easily.
- Enables you to key all your equipment to one key number
- Keys sold separately



Part Number	Length	Keying	Price per ea.	L/50	L/100
30-1875-XXX	1-5/8"	Keyed Alike	13.70	12.95	12.35

FLEX-ACE PARTS FOR CHANGING KEY COMBINATIONS

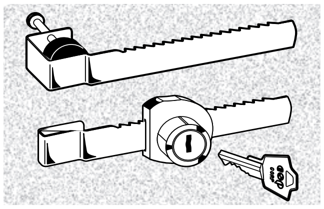
- Allows you to change the tumblers in the lock without removing the lock from the cabinet.
- Keep additional coders and keys to change key combinations quickly.
- Order new tumbler combinations to be shipped in coder with keys cut to the new combination.
- Remove lock cap from unlocked old lock with release pin and insert new tumblers with the loading tool.



Part Number		Price per ea.
30-1083-XX	Pre-Loaded Coder for for Flex-Ace	2.75
30-1084-00	Loading Tool for Flex-Ace Coders	11.20
30-1085-00	Release Pin for Flex-Ace Coders	1.95

SHOWCASE SLIDING LOCK ASSEMBLY

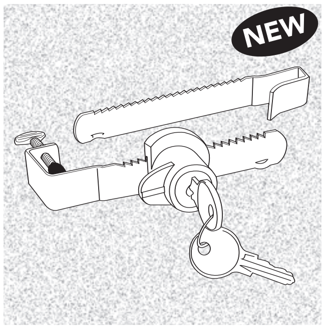
- Used for locking sliding glass doors, showcases, display cases, etc.
- Brite chrome finish resists rust and corrosion
- 3-1/2" locking slide
- Includes 2 keys, keyed alike



Part Number		Price per ea.	L/6
30-2194-ES202	Showcase Sliding Lock Assembly	11.80	10.95

SHOWCASE SLIDING LOCK ASSEMBLY

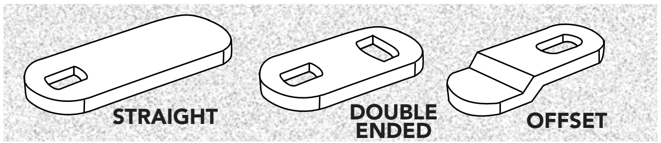
- Includes: 2 one-way bars, lock assembly and two keys
- Keyed alike, key # 221
- Works with wood or glass
- 90 degree key turn to open
- Key is removable at 12:00 & 3:00 positions
- Removable cylinder for re-keying
- Anti-spread housing
- Manufactured by National Cabinet Lock
- Other key codes available



Part Number		Price per ea.	L/6
30-2194-221	Showcase Sliding Lock Assembly	11.80	10.95

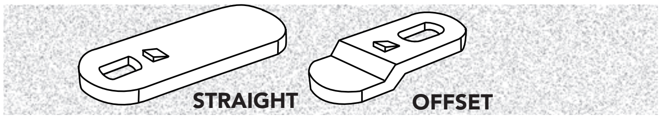
CAMS

REPLACEMENT CAMS FOR ACE, GEM & GEMATIC LOCKS



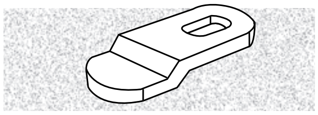
Part Number	Type	Length	Offset	Price per ea.
30-1037-00	Straight	1"	—	.72
30-1525-000	Straight	1-1/8"	—	.62
42-0440-00	Straight	1-1/4"/Double D	—	.67
30-1813-00	Straight	1-5/16"	(Center Hole)	.61
30-1527-000	Straight	1-1/2"	—	.62
30-1076-00	Straight	1-5/8"	—	.68
30-1075-00	Straight	1-5/8"	(Center Hole)	.71
30-1528-000	Straight	1-3/4"	—	.72
30-2115-00	Straight	2"	—	.72
30-1035-00	Straight	2 1/4"	—	.72
30-3803-40	Straight	2 1/2"	—	.72
30-1110-00	Offset	1-1/8"	1/8"	.62
30-1021-00	Offset	1-1/8"	3/8"	.81
30-1111-00	Offset	1-1/4"	1/4"	.81
30-1536-000	Offset	1-5/8"	1/4"	.81
30-1117-00	Offset	1-5/8"	7/16"	.81
30-3804-00	Offset	2"	1/4"	.93

DUO LOCK CAMS



Part Number	Type	Length	Offset	Price per ea.
30-1191-100	Straight	1"	—	.82
30-1192-1250	Straight	1-1/4"	—	.88
30-1440-00	Straight	1-1/2"	—	.67
30-1192-1750	Straight	1-3/4"	—	.94
30-1195-11250S	Offset in	1-1/8"	5/16"	1.45
30-1198-1250S	Offset in	1-1/4"	1/8"	1.35
30-1870-00	Offset in	1-1/4"	1/4"	1.25
30-1871-1250S	Offset out	1-1/4"	1/4"	1.45

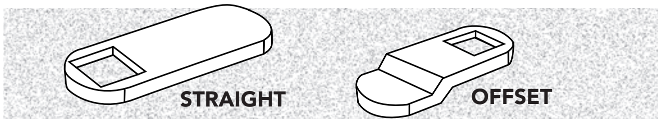
SPECIAL OFFSET CAM



- 90 degree stop
- Used on National Cigarette Machines
- 1" L x 5/16" offset

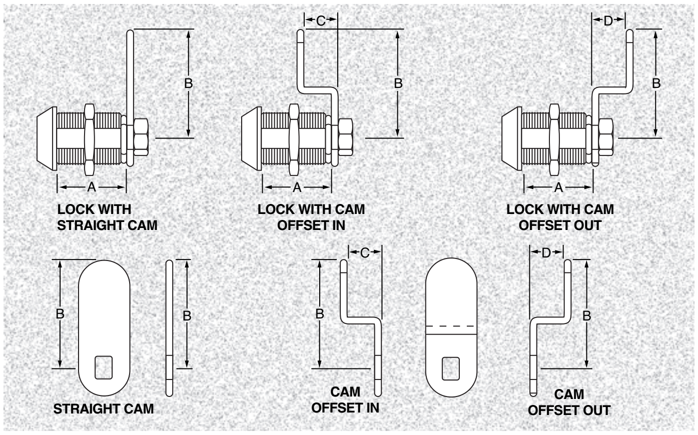
Part Number		Price per ea.
30-1022-00	90 Degree Offset Cam	.49

REPLACEMENT CAMS FOR FORT LOCKS



Part Number	Type	Length	Offset	Price per ea.
30-1863-00	Straight	1"	—	.62
30-1864-00	Straight	1-1/4"	—	.62
30-4901-60	Straight	1-1/2"	—	.62
30-1866-00	Straight	1-3/4"	—	.62
30-1867-00	Straight	2"	—	.62
30-1534-000	Offset	1"	1/4"	.62
30-1113-00	Offset	1-1/2"	3/8"	.72

HOW TO MEASURE CAMS AND CAM LOCKS

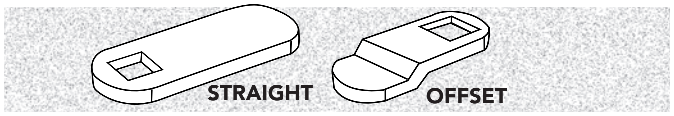


A dimension is the cylinder length. Measure from the back of the lock head to the front of the cam.

B dimension is the cam length. Measure from center of cam hole to tip of cam.

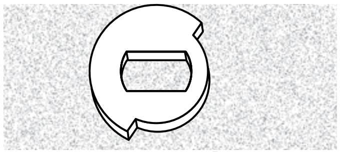
C or **D** dimension is the cam offset.

ECONOMY LOCK CAMS



Part Number	Type	Length	Offset	Price per ea.
330-2227-00	Offset	1-1/8"	1/4"	.62
30-2227-01	Offset	1-3/8"	1/4"	.62
30-2227-02	Offset	1-1/2"	1/4"	.93

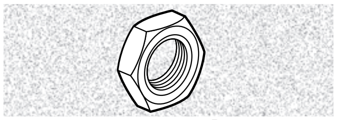
90 DEGREE CAM STOP FOR ACE LOCKS



- Stops the key in the 90 degree position
- Key is removable only in the locked position
- Minimum order 12

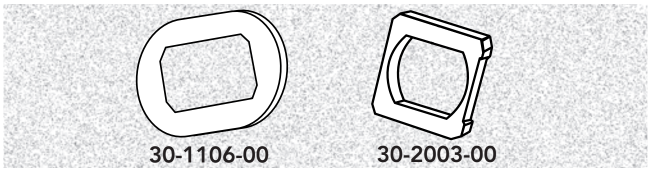
Part Number		Price per ea.
30-1802-00	Stop Cam, 90 Degree turn	.49

REPLACEMENT NUT FOR GEM-GEMATIC LOCKS



Part Number		Price per ea.
30-2287-00	Gem-Gematic Cam Nut	.16

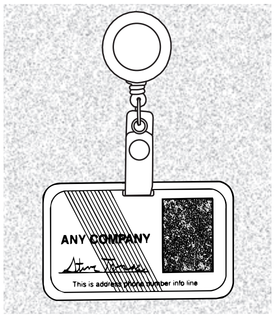
LOCK CAM ADAPTERS

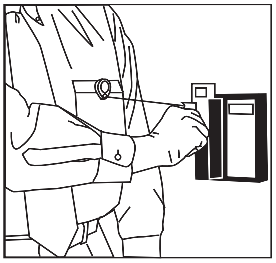


Part Number		Price per ea.
30-1106-00	Cam Lock Adapter converts Chicago Cam to Ace, Abloy, Gem, or Medeco	.61
30-2003-00	Cam Lock Adapter converts Fort Cam to Ace, Abloy, Gem, or Medeco	.61

RETRACT-A-BADGE ID CARDHOLDER

- Great for holding security ID cards
- Adds user friendly efficiency to High-tech security
- Steel clip on back allows for easy attachment without damage to clothing
- 30" retractable nylon cord easily allows badge to be extended and swiped without removing
- Construction: 1-3/16" diameter plastic case, steel clip, 30" nylon cord and vinyl snap-closure cardholder

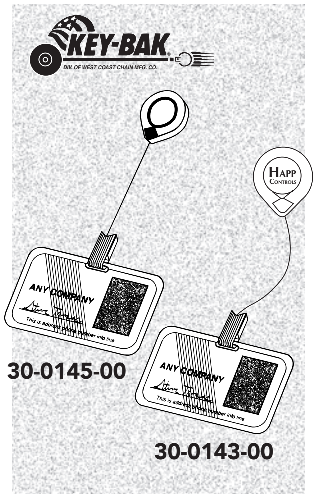


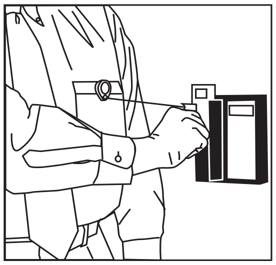


Part Number		Price per ea.	L/25	L/50
30-0142-00	Retract-A-Badge (Black)	2.55	2.15	1.95
30-0142-01	Retract-A-Badge (White)	2.55	2.15	1.95
30-0142-02	Retract-A-Badge (Blue)	2.55	2.15	1.95

DELUXE MINI-BAK ID CARDHOLDER

- Great for holding security ID badges
- Unique twist-free design prevents "spinning", so badge always faces front
- Patented design for extra security
- Clips on, will not damage clothing
- Strong metal swivel clip on back allows ease of use
- Tested to over 180,000 retractions; lasts four times longer
- Color: Dark Blue
- Can be personalized with your logo.
- Made in the USA
- Construction: plastic case, steel clip, 36" nylon cord and vinyl strap with snap
- Size: 1-3/16" W x 1-3/8" H x 1/4"D
- Note: For personalization of 30-0143-00 there is a 150-pc minimum order and a one-time charge of $40.00 per color for art setup and color matching. Customer must supply artwork and color specifications. Mini-Bak colors available are Red, White, Blue, Black and Gray.





Part Number		Price per ea.	L/12	L/24
30-0145-00	Deluxe Mini-Bak ID Cardholder, Dark Blue	6.30	5.80	5.15
30-0145-01	Deluxe Mini-Bak ID Cardholder, Black	6.30	5.80	5.15
30-0143-00	Personalized Deluxe Mini-Bak ID Cardholder	6.30	each L/150	

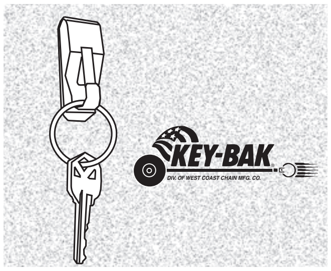
QUICK RELEASE KEY RING

- A simple, convenient way to organize your keys
- Makes it easy to separate work keys from other keys
- Easily separates into two key rings
- Compact and strong
- Bright nickel plate finish

Part Number		Price per ea.
30-0136-00	Quick Release Key Ring	1.60

SECURE-A-KEY

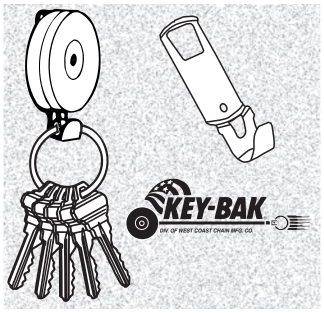
- Eliminates wear and tear on pockets
- Keeps keys readily available
- Simply clip SECURE-A-KEY to your belt and snap key ring on
- Made of stainless steel, will not rust or discolor



Part Number		Price per ea.
30-0138-00	Secure-A-Key	3.29

HUS-KEY

- Now every belt clip KEY-BAK can carry 5 times the weight
- HUS-Key simply snaps into place on the KEY-BAK case
- HUS-KEY supports key load
- Can be used with all clip model KEY-BAK units except Super 48

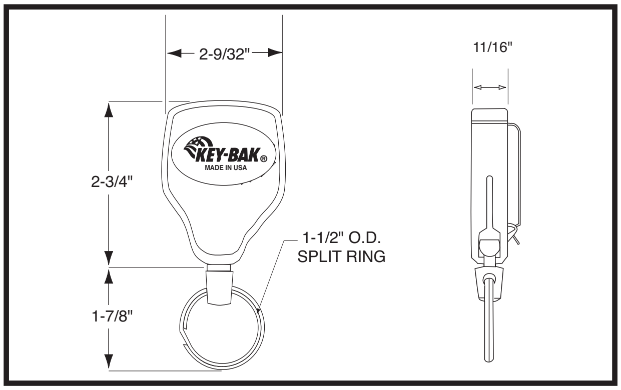


Part Number		Price per ea.
30-0137-00	HUS-KEY	2.15

Visit Our Web Site:
for **NEW**
Product Updates!!

KEY-BAK SUPER 48 KEY REEL

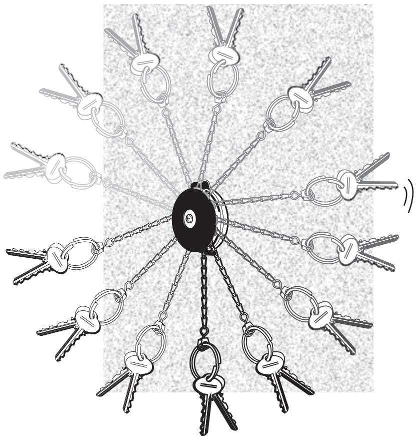
- Polycarbonate high strength case
- Dust shield keeps interior clean
- Kevlar cable is stronger but lighter than chain and is smooth in action
- Clip/Loop attachment allows dual functionality
- Clip design similar to pistol holsters; meets penal "anti-snatch" rules
- Carries up to 5 times the weight of other retractors
- All black design, high-tech look
- Oversize split ring is standard for larger load
- Corrosion proof for long service life



Part Number		Price per ea.	L/12
30-0101-01	Super 48 Key Reel with Kevlar Cable	12.48	11.60
30-0101-002	Super 48 Key Reel with Steel Cable	13.05	12.10

KEY-BAK "SPINNER" KEY REEL

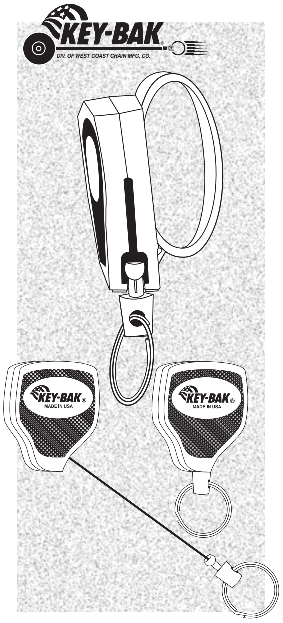
- Can be extended at any angle – a full 360-degree spin with virtually no wear on the chain or cable
- "Spinner" can be removed from it's base and used simply as a key holder
- "Spinners" belt holder can accommodate most Nokia phones
- Clip-On style
- Available with 24" chain or 48" cable
- Color: attractive black metal case



Part Number		Price per ea.
30-0101-04	"Spinner" Key Reel with 24" Chain	10.05
30-0101-05	"Spinner" Key Reel with 48" Cable	12.30

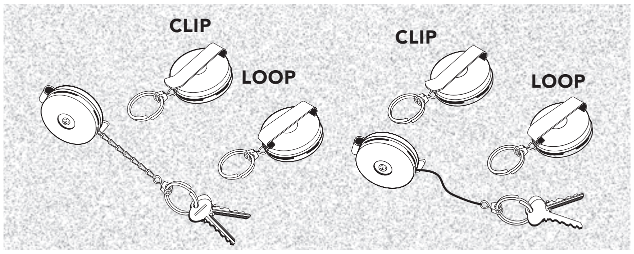
KEY-BAK SUPER 48 LE FOR SECURITY PROFESSIONALS

- For uniformed law enforcement professionals such as Sheriffs and Police
- Leather belt loop on back fits a standard 2.75" wide Sam Browne duty belt
- Polycarbonate high strength case
- Dust shield keeps interior clean and prolongs service life
- Extension member of stainless steel cable with tough nylon jacket or Kevlar cable available
- Loop design meets penal "anti-snatch" rules
- Carries up to 5 times the weight of other retractors
- All black design offers high-tech look
- Oversize split ring is standard for larger load
- Corrosion proof for long service life



Part Number		Price per ea.	L/12
30-0101-03	Key-Bak Super 48 LE with stainless steel cable	13.85	12.65
30-0101-08	Key-Bak Super 48 LE with Kevlar cable	14.15	12.90

KEY-BAK KEY REELS



KEY-BAK WITH CHAIN

- Clips-On style or belt loop style
- Chrome case
- 24" stainless steel chain
- Swivels to prevent chain twisting

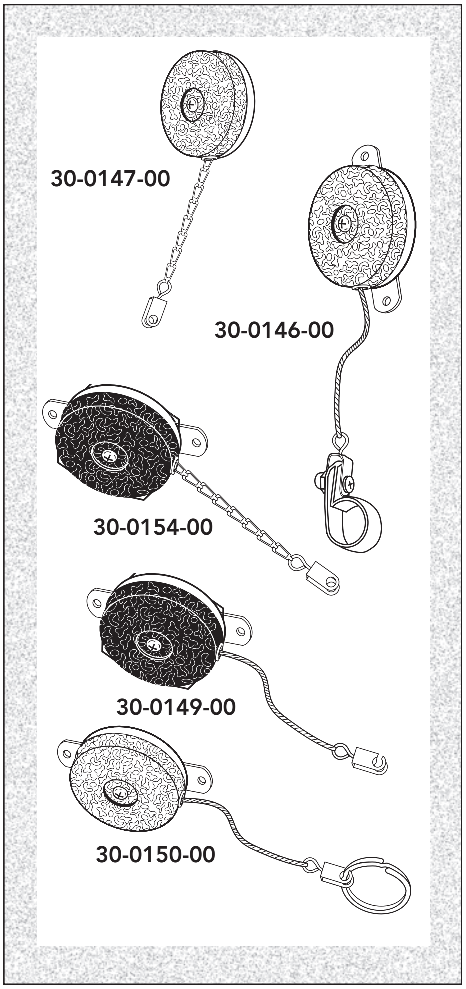
KEY-BAK WITH CABLE

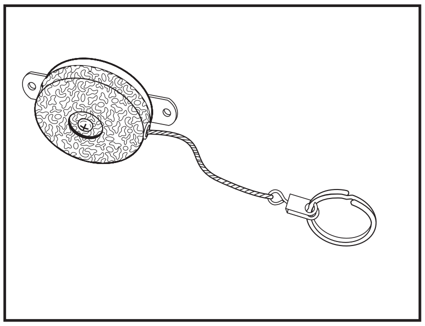
- Rugged steel case is only 2" dia.
- 48" stainless steel cable with 95 lb. breaking strength
- Cable is 7 x 7 strand nylon jacketed construction
- Belt look or Clip mount style available

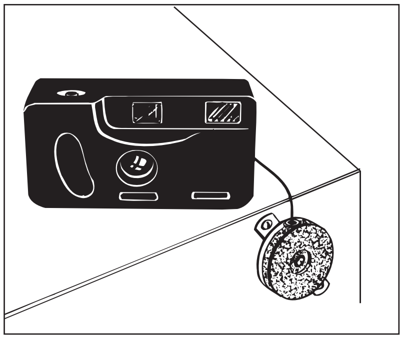
Part Number		Price per ea.	L/6
30-1951-00	Clip on Style with Chain	10.65	9.55
30-0104-00	Belt Loop Style with Chain	10.65	9.55
30-0101-00	Clip on Style with Cable	13.25	12.25
30-0102-00	Belt Loop Style with Cable	13.25	12.25

KEY-BAK REELS

- Eliminate pilferage while allowing items to be used or handled
- Hundreds of applications – retail stores, hospitals, industrial companies, point of purchase displays, trade shows, etc.
- Precision spring mechanism and super strong stainless steel chain or cable provide a versatile tool with unlimited uses
- Tested to over 100,000 cycles
- Available in textured chrome or black vinyl front
- Heavy duty steel case
- 6 oz. retention fully retracted for 48" cable units
- 8-10 oz. retention fully retracted for 24" chain units




30-0150-00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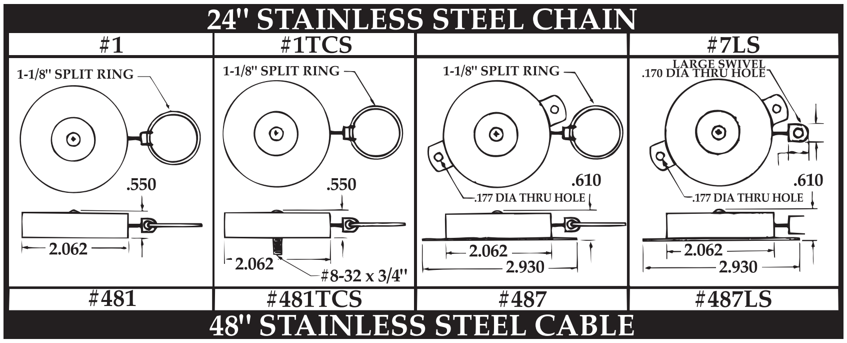
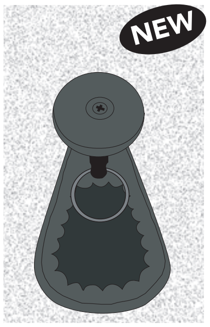


Part Number	Model	Color	Length	Chain/Cable	Attachment	Mounting	Price per ea.
30-0160-00	#1BLS	Black	24"	Chain	Large Swivel without Split Ring	Plain Back	9.30
30-0157-00	#1BSTCS	Black	24"	Chain	With Split Ring	3/4" Thread Cutting Screw	9.30
30-0154-00	#7BLS	Black	24"	Chain	Large Swivel without Split Ring	Bracket	11.00
30-0155-00	#7LS	Chrome	24"	Chain	Large Swivel without Split Ring	Bracket	11.00
30-0146-00	#7LSC	Chrome	24"	Chain	Large Swivel with Plastic Clamp	Bracket	11.00
30-0152-00	#481B	Black	48"	Cable	Large Swivel with Split Ring	Plain Back	11.70
30-0153-00	#481	Chrome	48"	Cable	Large Swivel with Split Ring	Plain Back	11.70
30-0151-00	#481TCS	Chrome	48"	Cable	With Split Ring	3/4" Thread Cutting Screw	11.70
30-0147-00	#487BLS	Black	48"	Cable	Large Swivel without Split Ring	Bracket	13.15
30-0149-00	#487B	Black	48"	Cable	With Split Ring	Bracket	13.15
30-0150-00	#487	Chrome	48"	Cable	With Split Ring	Bracket	13.15

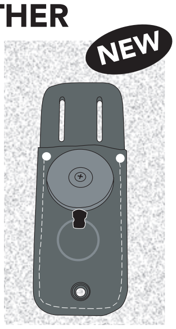
KEY-BAK KEY REEL W/PROTECTION FLAP



- Uniform protection tab prevents keys from swinging and damaging clothing
- Fitted with an special belt loop for ideal use with 2 1/4" Sam Browne belt
- Unit comes with the original "Key-Bak" key reel
- Precision made for years of trouble free use
- Limited life time warranty on the mechanism
- Uses standard 24" steel chain or 48" Kevlar line

Part Number		Price per ea.
30-0101-09	Key-Bak Reel w/big beltloop, chain	19.99
30-0101-10	Key-Bak Reel w/Protection Flap, Kevlar Version	21.99

KEY-BAK KEY REEL W/LEATHER TOOL POUCH

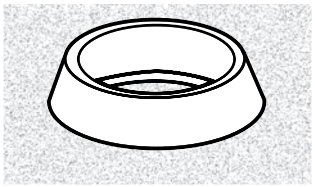


- Heavy-duty tool pouch, keep tools & key handy
- Ideal for building maintenance staff
- Unit comes with the original "Key-Bak" key reel
- Precision made for years of trouble free use
- Uses standard 24" steel chain or standard 48" Kevlar cord
- Limited life time warranty on the mechanism

Part Number		Price per ea.
30-0101-11	Key-Bak Key Reel w/Leather Tool Pouch	18.99
30-0101-12	Key-Bak Key Reel w/Leather Tool Pouch, Kevlar Version	21.99

SECURITY RINGS

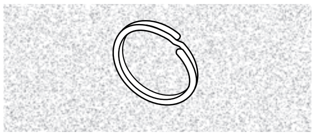
- Protective collars
- These rings offer protection from grabbing lock heads with pliers and other tools
- Hardened nickel plated steel



Part Number	Take-up	Depth	Price per ea.
30-0169-00	3/16”	1/2”	3.65
30-0169-10	1/16”	1/4”	3.85

CHROME KEY RINGS

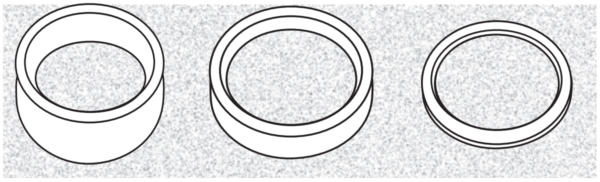
- Quality chrome finish
- Various sizes available



Part Number	I.D.	Price per ea.
30-0094-00	1-1/8"	.60
30-0099-00	1-1/2"	.67
30-0100-00	1-3/4"	.71

LOCK SPACER COLLARS

NEW



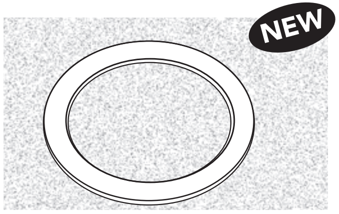
- Take-up rings for standard 3/4” diameter lock barrel
- Zinc plated steel
- 7 popular sizes

Part Number		Price per ea.
30-2002-00	1/8” Lock Spacer Collar	2.10
30-2004-00	1/16” Lock Spacer Collar	2.10
30-2005-00	3/32” Lock Spacer Collar	2.10
30-2006-00	1/4” Lock Spacer Collar	2.10
30-2008-00	3/8” Lock Spacer Collar	2.10
30-2009-00	7/16” Lock Spacer Collar	2.10
30-2010-00	1/2” Lock Spacer Collar	2.10

COLORED CODED LOCK RINGS

NEW

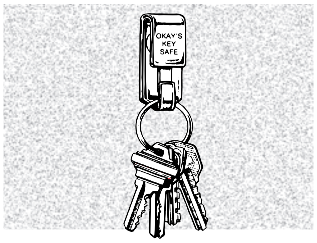
- Made from durable plastic
- Identify which series of locks are your machines with the Happ Controls color coded lock rings
- Various colors available
- Fits tubular key type locks and switch locks
- Now you can color code each route to a different color



Part Number		Price per ea.
30-0308-RED	Color Coded Lock Ring-Red	.22
30-0308-GREEN	Color Coded Lock Ring- Green	.22
30-0308-BLUE	Color Coded Lock Ring- Blue	.22
30-0308-ORANGE	Color Coded Lock Ring- Orange	.22
30-0308-WHITE	Color Coded Lock Ring- White	.22

OKAY’S KEY SAFE

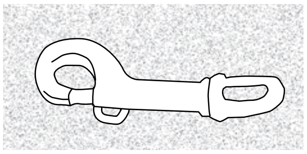
- Ideal for slot mechanics, locksmiths, security people, etc.
- Very secure belt loop style with key ring
- Handy and convenient
- Eliminates pocket wear



Part Number		Price per ea.
30-0095-00	Okay’s Key Safe	4.55

SNAP HOOK KEY RING

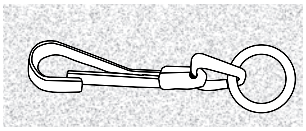
- Heavy-duty steel
- Chrome finish



Part Number		Price per ea.
30-0096-00	Snap Hook Key Ring	4.70

SPRING SNAP FOR KEYS

- Swivels for easy use
- Zinc plated
- 4-3/8" Overall length, 3/4" wide

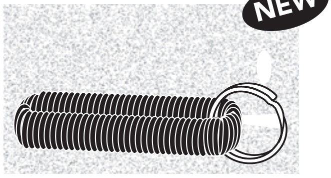


Part Number		Price per ea.
30-0097-00	Spring Snap For Keys	1.30

WRIST COIL WITH RING

NEW

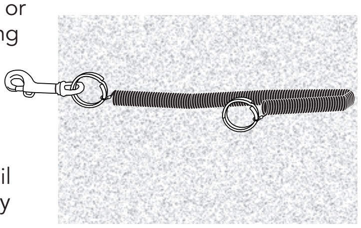
- Superior quality coil always springs back, never loses its shape
- Fits comfortably on wrist
- 7/8” nickel plated tempered steel split ring
- Assorted colors: black, dark blue, teal, purple, red and white
- Coil measures 2” in diameter; stretches to more than 12” in diameter



Part Number		Price per ea.
30-0202-00	Wrist Coil With Ring	2.05

SNAP HOOK AND KEY RING WITH COIL

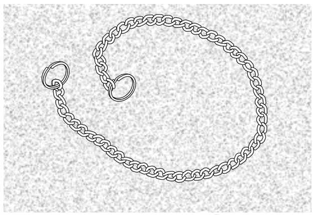
- Great for slot technicians or for use with player tracking cards
- Plastic snap hook easily hooks on belt loops or clothing
- Long 20” vinyl coated coil expands to approximately 5 times its size
- Metal key ring on end for keys or player tracking cards
- Color: Black



Part Number		Price per ea.
30-0099-01	Snap Hook and Key Ring with Coil	1.35

HEAVY-DUTY CHOKER CHAINS

- 24" long
- 12 per master carton

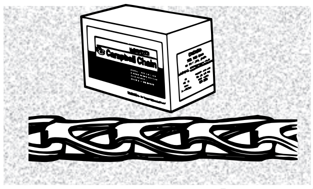


Part Number		Price per ea.
30-0083-00	Heavy-Duty Choker Chains	7.40

SASH CHAIN

- Great for key chains
- Trade size #25
- Sold per foot
- 100 ft. per box

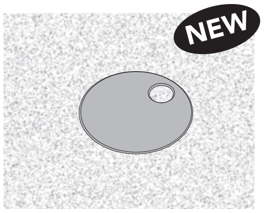
Campbell®



Part Number	Type	Price per ft.
30-0092-00	Blue Chrome	3.55
30-0091-00	Bronze	2.70

SOLID BRASS TAGS

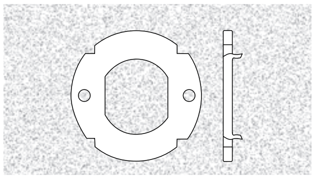
- Solid brass tags for heavy duty applications
- Can be stamped or engraved
- Perfect for industrial applications and where long term identification is needed
- .040" thick brass
- Sold in boxes of 100
- Available in diameters of 1", 1.25", 1.375", and 2"



Part Number		Diameter	Price per box
30-0205-00	Solid Brass Tag	1"	19.15
30-0197-00	Solid Brass Tag	1.25"	41.60
30-0297-00	Solid Brass Tag	1.375"	40.35
30-0304-00	Solid Brass Tag	2"	71.80

SPUR WASHER

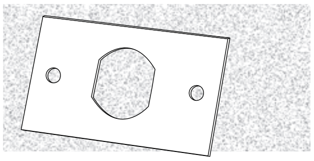
- Prevents the cam assembly from turning when installed in a round hole
- Two (2) 3/16" diameter holes
- Minimum order 10 pcs.
- For wood installation



Part Number		Price per ea.
30-1966-00	Spur Washer for Wood Installation	.54

ANCHOR PLATES

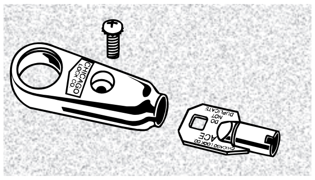
- Prevents lock and cam assembly from turning when installed in a round hole
- For metal or wood installation
- Minimum order 10
- Size: 2-3/16" L x 1-1/4" W x 3/32" Thick
- .640 hole



Part Number		Price per ea.
30-1965-00	Anchor Plate	1.20

TUBULAR KEY HOLDER

- Supports and strengthens key to eliminate breakage
- Allows for easier and faster opening of locks
- Fastened with an 8-32 screw included with holder



Part Number		Price per ea.	L/12
30-1049-00	Tubular Key Holder	11.55	10.55

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Leisurely view past purchases,
Easily duplicate past orders,
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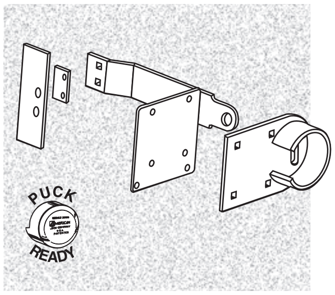
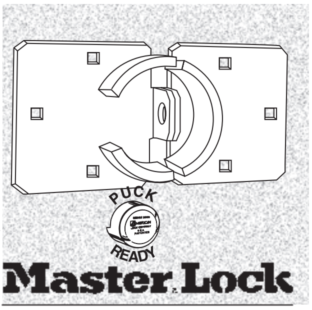
PUCK LOCK HASP



- Tough security for your Cold Can Drink Machines
- Prevents thieves from prying, hammering or twisting the padlock
- Extremely heavy duty 1/4” steel hasp with inside reinforcement brackets
- Ideal for the Puck Lock style padlock
- 7-1/2” x 4-1/2” x 1/4” front puck lock bracket with welded cup to protect the padlock from vandalism
- 11” x 2” x 1/4” side mount offset bar
- Obscure, durable black powder coat paint
- Includes mounting hardware
- Drilling required for the mounting hardware

Part Number		Price per ea.
30-0186-00	Puck Lock Hasp	42.95

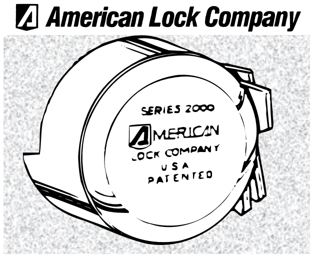
GUARDED HASP, BY MASTER LOCK



- Ideal for vans, trucks, gates and vending and amusement equipment
- Prevents thieves from prying, hammering or twisting the padlock
- Defeats attempts to pry and cut
- Hardened solid steel lock body withstands forcible attacks
- 2 pieces hasp

Part Number		Price per ea.
30-0174-00	Guarded Hasp, By Master Lock	21.25

“AMERICAN“ SERIES 2000 PUCK LOCK



- “The Locksmith’s Lock”
- Patented shackleless body with solid one piece chrome finish case
- Maximum security 6 pin tumbler cylinder
- 1-1/2" thick by 2-7/8" dia. case
- 13/32" steel locking rod
- Keyed Alike, 2 keys per lock

Part Number		Keying	Price per ea.	L/12
30-1016-XXX	Series 2000 Puck Lock	Alike	29.05	27.20
30-1015-XXX	Series 2000 Puck Lock	Different	30.80	29.60

“FEDERAL“ 1000 SERIES PADLOCK

- Hardened steel shackle
- Stainless steel lock body
- 4-pin tumbler
- Protected shackle
- Brass cylinder
- Deadbolt double locks
- 3/8” shackle diameter
- 2 keys per lock
- Keyed alike

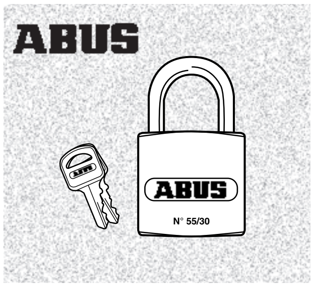
Part Number		Price per ea.
30-2327-XXX	“Federal” 1000 Series Padlock	13.95

MILLENNIUM PADLOCK

- Stop break-ins with this unique, ultra heavy-duty, keyed alike padlock
- Hardened steel outside slip ring prevents thieves from prying, or twisting, the padlock to break off.
- Millennium padlock protects the shackle of the hasp
- Plug lock is replaceable in case key is lost or stolen
- High security, ‘half moon’ style key
- Private keyed alike series are available, dedicated to your account only ! No one else in the country will be able to purchase your key series. 2 week lead time for new series, minimum order 10.
- Keys purchased separately

Part Number		Price per ea.
30-0192-XXX	Millennium Padlock, New K.A. Series	48.95
30-0191-XXX	Key, for New K.A. Series Millennium Padlock	5.30

“ABUS” PADLOCK



- Smaller sized, keyed alike padlock for use in low security areas where there is still a need to lock up.
- 1" x 1-1/8" x 1/2" brass case
- 3/8" case hardened shackle
- 1/2" shackle clearance
- Keyed Alike, 2 keys per lock

Part Number		Price per ea.	L/12
30-1560-00	House "Abus Padlock" Keyed Alike	7.45	6.30

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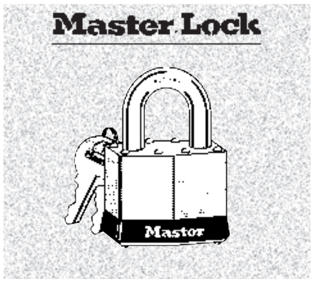
for NEW Product Updates!!

MASTER LOCK #1 PADLOCK

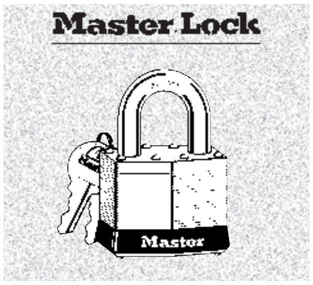
- Reinforced 1-3/4" wide laminated steel body
- Hardened 5/16" diameter steel shackle
- 7/8" shackle clearance
- Precision 4-pin tumbler cylinder
- Dual independent locking levers
- Rustproofed for external wear
- 2 keys furnished per lock



Part Number		Price per ea.	L/12
30-1210-XXX	Master #1, Keyed Alike	12.15	11.55
30-1209-000	Master #1, Keyed Different	12.05	11.45

MASTER LOCK #3 PADLOCK

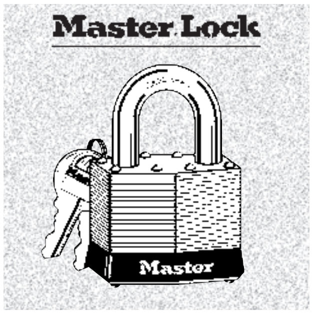
- Reinforced 1-1/2" wide laminated steel body
- Hardened 9/32" diameter steel shackle, 3/4" clearance
- Precision 4-pin tumbler cylinder
- Dual independent locking levers
- Cadium Rustproofed for external wear
- 2 keys furnished per lock



Part Number		Price per ea.	L/12
30-1207-000	Master #3, Keyed Different	10.00	9.45

MASTER LOCK #5 PADLOCK

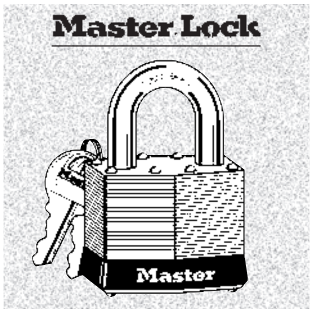
- Reinforced 2" wide laminated steel body
- Hardened 3/8" diameter steel shackle
- 1" shackle clearance
- Precision 4-pin tumbler cylinder
- Dual independent locking levers
- Rustproofed for external wear
- 2 keys furnished per lock



Part Number		Price per ea.	L/12
30-1212-XXX	Master #5, Keyed Alike	14.15	13.50
30-1211-000	Master #5, Keyed Different	14.00	13.40

MASTER LOCK #7 PADLOCK

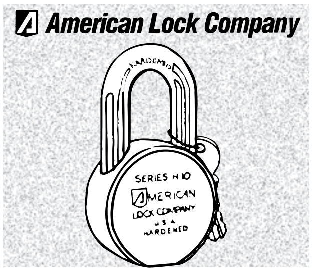
- Strong 1-1/8" wide laminated steel case
- 3/16" shackle, 9/16" clearance
- Precision pin tumbler locking mechanism
- Cadium rustproofed for external wear
- 2 keys furnished per lock



Part Number		Price per ea.	L/12
30-1206-XXX	Master #7, Keyed Alike	8.25	7.55
30-1205-000	Master #7, Keyed Different	8.05	7.45

"AMERICAN" PROFESSIONAL H-10 PADLOCK

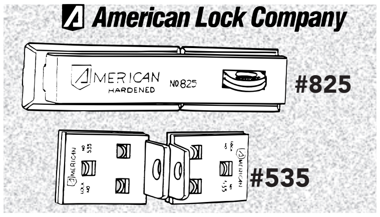
- Solid steel body (hardened)
- Case hardened steel shackle
- Case diameter: 2"
- Shackle clearance: 1-1/16"
- Overall Height: 3-1/2"
- Shackle diameter: 7/16"
- Keyed Alike, 2 keys per lock



Part Number		Price per ea.	L/12
30-1000-XXX	Professional H-10 Padlock	28.35	23.35

CASE HARDENED SOLID STEEL HASPS

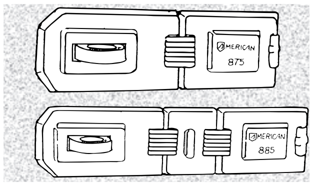
- Solid steel materials
- Recessed concealed screws
- All mounting hardware included



Part Number		Price per ea.	L/12
30-1185-000	#825 Straight Bar Hasp	10.05	9.00
30-1186-000	#535 Centered Hole Hasp	8.55	8.45

FLEX-O-HASP

- Heavy wrought steel
- Multi-purpose
- Top security

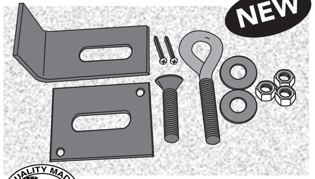


Part Number		Price per ea.
30-1188-000	#875 Single Link Hasp	8.15
30-1189-000	#885 Double Link Hasp	8.75

HIDDEN SECURITY BAR HASP

NEW

- Used on 8-line or Redemption cabinets
- Mounts inside the cabinet
- Padlock hangs flush to the cabinet
- Low visibility
- Includes mounting hardware
- Made in USA



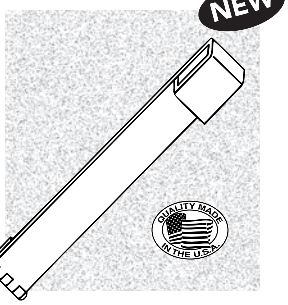
QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-0317-00	Hidden Security Bar Hasp	4.20

HASP FOR MERIT UPRIGHT GAMES

NEW

- Welded hinge prevents pin removal
- No eyebolts exposed
- Hardware included
- Made in USA
- Size: 12” L X 2” W X 3/16” thick
- Single bar with hidden hinge and a protective cover for your padlock
- Made from heavy 2” wide black powder coated steel

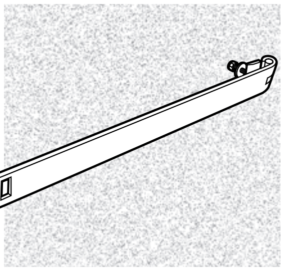


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-1192-12	Hasp for Merit Upright Games	17.65

PINBALL HASP

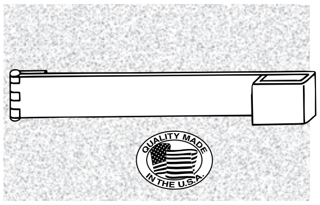
- For use on pinball doors that are mounted by four carriage bolts
- Easy to install, no drilling necessary
- For use with 7/16” Shackle Padlock
- Simply remove 2 hex nuts on right and left side of coin door frame mounting and install
- 15” long 15-3/4” with hinge extended
- Includes mounting hardware



Part Number		Price per ea.
30-0004-00	Pinball Hasp	16.20

TOPLESS BAR HASP

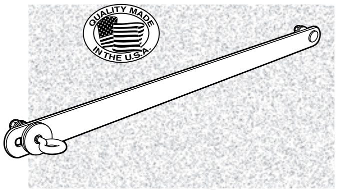
- Designed for all game doors, excellent for pinball games
- Single bar with hidden hinge and a protective cover for your padlock
- Made from heavy 2” wide black powder coated steel
- Welded hinge prevents pin removal
- No eyebolts exposed
- Hardware included
- Made in USA
- Size: 15-1/2” from eye bolt to carriage bolt
- Overall length: 17-1/8”



Part Number		Price per ea.
30-1192-00	Topless Bar Hasp	16.10

FLAT BAR HASP

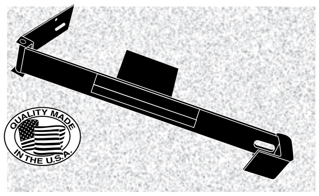
- For the extra protection needed to prevent break-ins on your games front door
- Heavy duty 3/16" steel thick, 1-1/2" wide
- Complete with hardware



Part Number		Price per ea.
30-1195-00	16" Long Flat Bar Hasp	7.45
30-0001-00	24" Long Offset Flat Bar Hasp	8.75

HASP FOR DYNAMO POOL TABLES

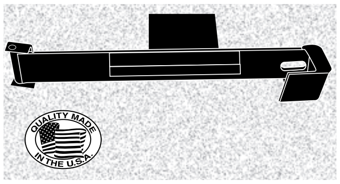
- Heavy duty 3/16" x 1-1/2" wide
- Color: Black
- For use on Dynamo pool tables
- Includes hardware and instructions



Part Number		Price per ea.
26-1158-00	Hasp for Dynamo Pool Tables	29.50

HASP FOR DYNAMO HOCKEY TABLES

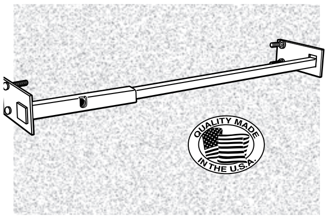
- Heavy duty
- Color: Black
- Includes hardware and instructions



Part Number		Price per ea.
30-0115-00	Hasp for Dynamo Hockey Tables	29.05

WRAP AROUND ADJUSTABLE BAR HASP

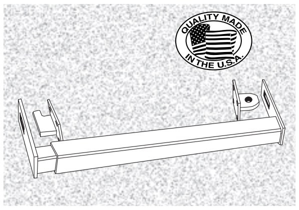
- Perfect for amusement games and vending machines
- Used on 22" to 27" cabinets
- Needs only 1 padlock
- Padlock mounts on front of machine
- Complete with hardware



Part Number		Price per ea.
30-1193-00	Wrap Around Adjustable Wrap	23.35

DELUXE WRAP AROUND ADJUSTABLE BAR HASP

- Perfect for amusement games and vending machines
- Heavy-duty – 1” and 1.25” square tubing
- Side plates are 5-1/4” long
- Needs only 1 padlock
- Padlock mounts on side of machine
- Hardware includes:
  1 padeye
  1 hook
  8 carriage bolts .25” X 1.25”
  8 .25” hex nuts
  2 backup plates

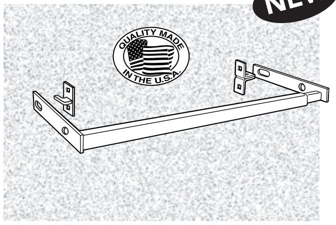


Part Number		Price per ea.
30-2000-00	Adjustable Bar Hasp 19-1/2”to 32”	19.35
30-2000-02	Adjustable Bar Hasp with padlock cover	29.95
30-0006-00	Adjustable Bar Hasp 30”to 45”	37.95

DELUXE WRAP AROUND ADJUSTABLE HASP WITH 11” SIDE PLATES

NEW

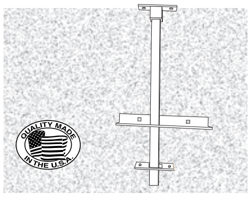
- Only 1 padlock needed
- Adjusts from 20” to 36”
- 11” Side bars make this ideal for use on “Pot of Gold”
- Black painted finish
- Heavy-duty square tubing
- Mounting hardware included
- Made in USA



Part Number		Price per ea.
30-0013-01	Adjustable Bar Hasp 20”to 36” with extended 11” side bars	24.55

HASP FOR VALLEY POOL TABLE

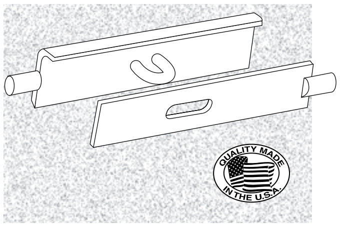
- Heavy duty
- Designed for Valley tables
- Can be adapted to other tables
- Color: Black
- Includes hardware and instructions
- Made in the USA



Part Number		Price per ea.
30-0028-00	Hasp for Valley Pool Tables	23.40

HASP FOR VALLEY/DYNAMO POOL TABLE

- Designed to fit a recessed 10” wide cash box opening
- Easy to install, simply drill two 3/8” holes
- Heavy duty metal with innovative guide lip
- Color: Black
- Includes instructions and drilling template



Part Number		Price per ea.
30-0053-00	Valley & Dynamo Pool Table Security Hasp	23.45

SAMMY USA SECURITY BAR KIT FOR WING SHOOTING CHAMPIONSHIP

NEW

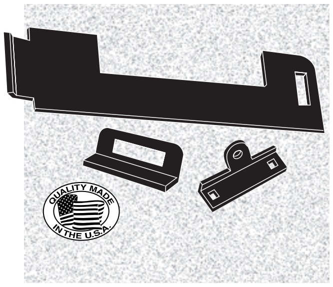
- Direct fit for Sammy Wing Shooting Championship
- Wing Shooting Championship cabinets are pre-drilled for easy installation
- Installs in less than 10 minutes, simply remove the supplied bolts and install the two brackets
- Heavy duty black painted metal
- May also be used on Sammy 25" Upright and 33" Showcase cabinets with Deer Hunting USA, Turkey Hunting USA, (hardware for these cabinets must be purchased separately)
- Kit includes: Locking bar with enclosed padlock area, and 2 mounting brackets
- Made in USA

Sammy

Part Number		Price per ea.
30-0200-00	Sammy USA Security Bar Kit	54.99
30-0200-02	Deluxe Wrap Around Adjustable bar With Padlock Cover	54.99

SAMMY USA SECURITY BAR KIT FOR SPORTS ARENA

NEW

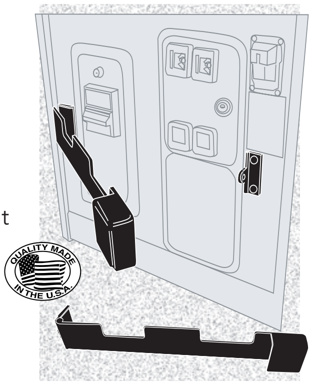


- Direct fit for Sports Arena
- Installs in less than 10 minutes
- Heavy duty black painted metal
- Kit includes: Locking bar, and 2 mounting brackets
- Made in USA

Part Number		Price per ea.
30-0200-01	Sammy USA Security Bar Kit	54.99

RETROFIT SECURITY HASP FOR GOLDEN TEE® GOLF

NEW

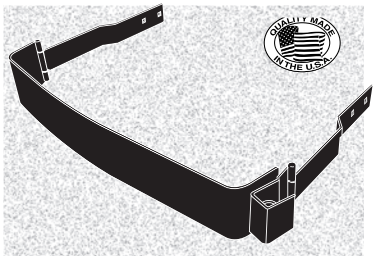


- Shackle protector and low profile mounting virtually eliminates break-in's
- Uses existing hardware on the game
- Made in the USA from 1/4" laser cut steel
- Black wrinkle powder coat paint matches the game's finish
- Uses hidden hinge for added security
- Laser cut smooth edges for safety

Part Number		Price per ea.
30-0004-01	Retrofit Security Hasp - Golden Tee®	52.50
30-0004-02	Eyelet with Hardware	7.30

TOUCH SCREEN SECURITY HASP

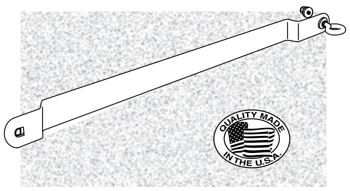
NEW



- Fits Merit Mega-Diamond touch screens
- Accepts Standard or Disklock padlocks
- Black powder coated
- Includes: (2) backing plates, (4) carriage bolts, washers and nuts
- Made in USA

Part Number		Price per ea.
30-0005-02	Touch Screen Security Hasp	44.95

OFFSET FLAT BAR HASP

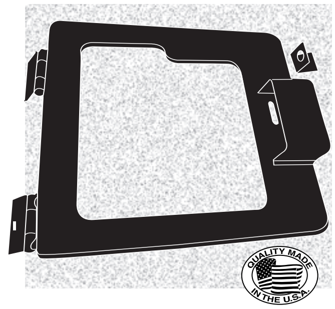


- For the best protection of break-ins on your games front door
- Heavy duty 3/16" steel thick, 1-1/2" wide
- Complete with hardware

Part Number		Price per ea.
30-0011-00	12" Long Offset Flat Bar Hasp	8.65
30-1627-00	16-1/2" Long Offset Flat Bar Hasp	8.65
39-1011-00	25" Long Offset Flat Bar Hasp	9.90

HEAVY DUTY OVER-UNDER MID-WIDTH DOOR HASP

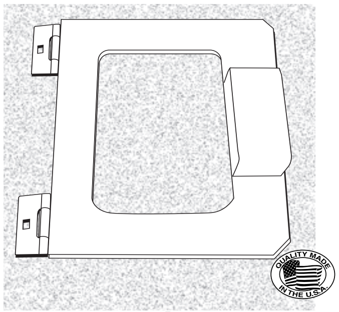
NEW



- Notch cut in hasp to allow it to work on both Happ Controls and Wells-Gardner Over/Under Mid-Width doors
- This heavy duty steel hasp stops vandals from kicking in the coin door
- Welded top padlock cover insures your padlock is protected
- Laser cut smooth edges for safety
- Durable black wrinkle paint
- Hidden hinges with a non-removable welded hinge pin
- Made in the U.S.A.

Part Number		Price per ea.
30-0300-00	Heavy Duty Over-Under Mid-Width Door Hasp	28.40

HEAVY DUTY OVER-UNDER DOOR HASP

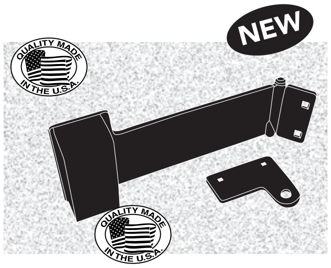


- This heavy duty steel hasp stops vandals from kicking in the coin door
- Welded top padlock cover insures your padlock is protected
- Hidden hinges with a non-removable welded hinge pin
- Bolt to bolt 9-1/2", overall 11-1/8"

Part Number		Price per ea.
30-2001-00	Heavy Duty Over-Under Door Hasp	22.85

HASP FOR ARACHNID GALAXY 2

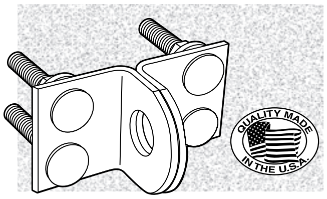
- 3/16” heavy duty steel
- Black textured powder coat
- Reinforced padlock cover
- Hinged on left side
- Hardware included
- Backing plates included for increased strength
- Made in USA



Part Number		Price per ea.
30-0302-00	Hasp for Arachnid Galaxy 2	26.00

LOCK HASP

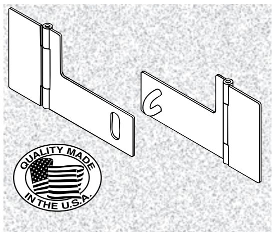
- Simple, economic way of adding a padlock to any machines, garage, vehicle etc.
- Made with 1/8" steel
- Complete with hardware


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-1194-000	Lock Hasp	6.00

DRIVING CABINET VAULT HASP

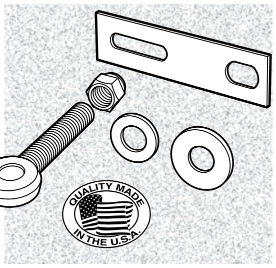
- For use on Atari Rush 2049 Driving Cabinet Vault
- Simply attaches to the existing mounting holes on the sides of the existing vault
- Heavy Duty 11 gauge steel
- Rugged Black powder paint finish
- Complete with mounting hardware
- Welded hinge pins for additional security


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-0135-00	Driving Cabinet Vault Hasp	78.40

SUPER HEAVY DUTY 4-1/2” BAR HASP

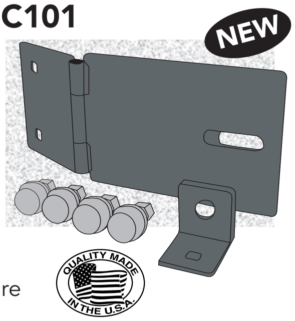
- 3/16” heavy plate steel
- Eyebolt is a 1/2” shaft, that is heat treated, hardened steel that defies bolt cutters
- Existing cabinet cam lock is placed through the bar, securing bar to cabinet
- Complete with hardware
- Made in the U.S.A.


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-1005-00	Super Heavy Duty 4-1/2” Bar Hasp	11.00

HASP FOR STANDARD CHANGE-MAKERS EC100 AND EC101

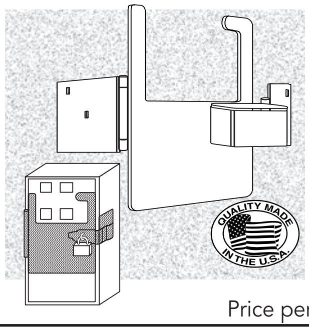
- Fits models EC100 and EC101
- 7 gauge steel plate
- 1/4” ring welded on the inside of the plate allows hasp to lay flush with the cabinet
- Includes: (2) 1/8” “L” brackets welded together for padlocks
- Color: Textured Black River
- Complete with all mounting hardware
- Made in USA



Part Number		Price per ea.
30-0318-00	Hasp for Standard Change Makers EC100 and EC101	30.70

HEAVY DUTY SECURITY BAR/HASP

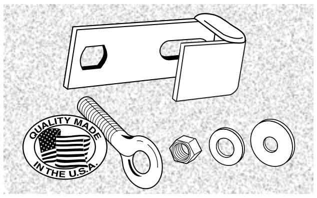
- For **Daytona Crusin’** and **Sega Rally** driving games
- Protect those “high volume” games from theft and damage
- Accommodates a regular padlock
- Built with hidden hinge pins
- Heavy duty shackle protector
- Complete with hardware


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-0005-00	Heavy Duty Security Bar/Hasp	43.05
30-0005-01	Security Bar Hasp for Virtual Racing for Wider Cabinets	46.70
30-0055-00	Security Bar Hasp for San Francisco Rush with Shackle Gaurd	44.30

WELDED TOP PADLOCK COVER

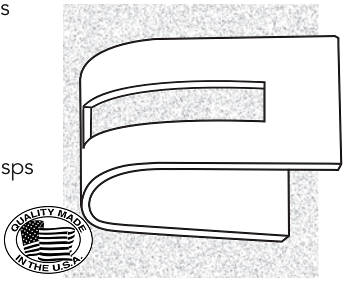
- Welded Top Padlock Cover
- Heavy duty steel 3/16” x 2” wide
- 3/8” eyebolt
- Black powder coated
- Made in USA


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-0033-00	Welded Top Padlock Cover	10.95

HEAVY DUTY SHACKLE GUARD

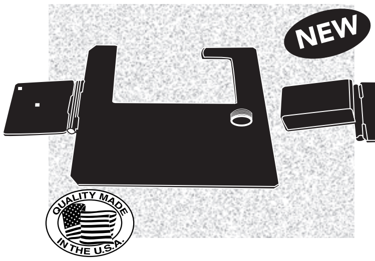
- Works with most padlocks
- Prevent cutting of the padlocks
- Rugged 3/16” steel gives maximum protection
- 2-1/2” H x 2” W
- 1-1/8” opening for hasp
- Works with most “L” shape hasps
- Laser cut – no sharp corners
- Made in the U.S.A.
- Black powder coated


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-0003-00	Heavy Duty Shackle Guard	6.30

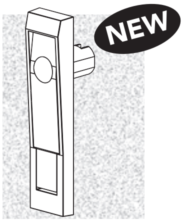
SECURITY BAR HASP FOR SILENT SCOPE

- For use on Konami Silent Scope with Mid-Width Over/Under doors
- Covered padlock hasp protects your padlock
- Fits 11-1/4” to 12” wide doors
- Made from 3/16” thick heavy duty steel
- Black powder coated
- Mounting hardware included
- Made in USA


NEW
QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
30-0141-00	Security Hasp for Silent Scope	56.50

REPLACEMENT LIFT HANDLE SET

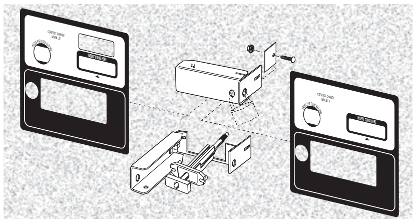


- For National Vendors machines
- Brushed stainless finish
- Set includes:
- Lift Handle Lever, Ref. No. 117-2190
  (1) Lift Handle Base, Ref. No. 117-2191

Part Number		Price per ea.
30-0307-00	Replacement Lift Handle Set	14.95

DIXIE NARCO LOCK COVER KIT

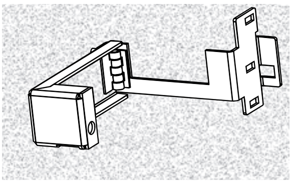
- Ref. # 480,011,200.14
- Used on 'E' models and Vandal Resistant Vendors with pushbutton coin return and Dr. Pepper machines



Part Number		Price per ea.
H48001120014DN	Dixie Narco Lock Cover Kit	28.70

DIXIE NARCO LOCK COVER KIT

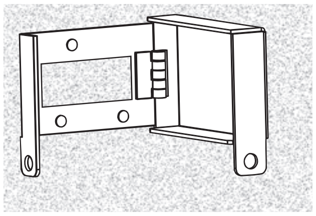
- Ref. # 572,010,100.34
- Used in Coke, Vandal Resistant (Push button coin return) and Non-Vandal Resistant Vendor (Lever coin return)
- Black powder coat finish



Part Number		Price per ea.
H57201010034DN	Dixie Narco Lock Cover Kit	26.49

DIXIE NARCO LOCK COVER KIT

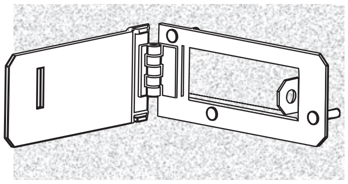
- Ref. No. 604,054,500.54
- Used on Dr. Pepper V4 machines
- Black powder coat finish



Part Number		Price per ea.
H60405450054DN	Dixie Narco Lock Cover Kit	27.50

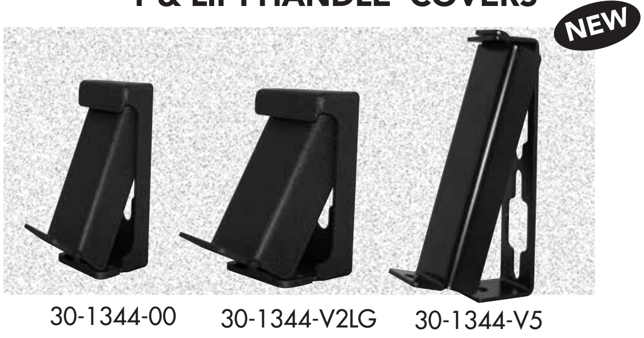
DIXIE NARCO LOCK COVER KIT

- Ref. No. 624,010,000.04
- Used on Coke 'Wave' machine
- Red powder coat finish



Part Number		Price per ea.
H62401000004DN	Dixie Narco Lock Cover Kit	27.50

T & LIFT-HANDLE COVERS

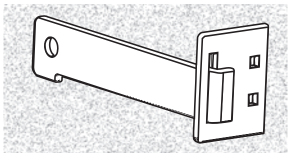


- Provide added protection for your T and Lift-handles
- V-2 and V-2 LG covers fit low and high profile surface mounted T-handles respectively
- V-5 Lift-handle covers protects moldings on National/GPL machines
- All include durable black powder coated finishes

Part Number		Price per ea.
30-1344-00	Low Profile V-2 Lift Handle Cover	24.99
30-1344-V2LG	High Profile V-2 LGT Lift Handle Cover	25.99
30-1344-V5	V-5 Handle Cover	20.99

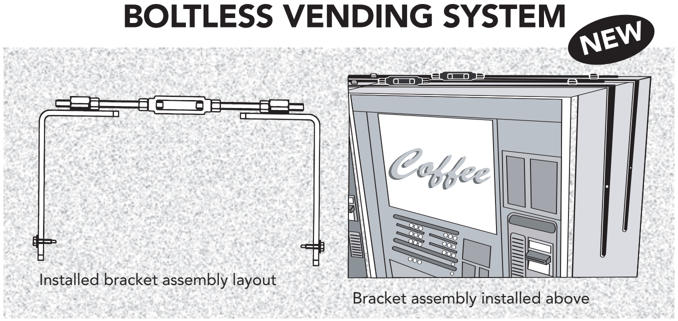
ROYAL VENDORS LOCK COVER

- Ref. No. 141110
- Used on Vandal Resistant Coke machines (post serial # 1207) and Merlin IV machines
- Black powder coat finish



Part Number		Price per ea.
30-0190-00	Royal Vendors Lock Cover	8.50

BOLTLESS VENDING SYSTEM



Installed bracket assembly layout

Bracket assembly installed above

- Multi-use bracket assembly that locks together vending machines of identical height
- Helps eliminate major damage caused from rocking and bouncing
- Professional looking presentation,keeping machines aligned and together
- Easy to install and re-size, black powder-coated steel brackets
- Detailed installation instructions included
- Wrench and drill tools recommended, some drilling required
- Perfect replacement for old-fashioned bolts
- Other rod set sizes and replacement parts available; call for details

Bracket assembly includes:

(2) Left Handed L-Brackets, (2) Right Handed L-Brackets, (2) Turnbuckles (4) Left Handed Lock Nuts, (4) Right Handed Lock Nuts, (4) Self-Tapping Hex Screws, (2) All-Thread Left Handed Rods, (2) All-Thread Right Handed Rods

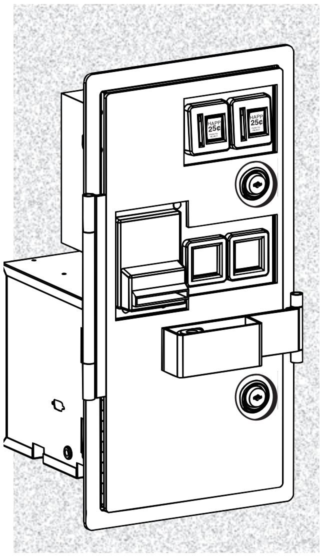
Part Number		Price per ea.
BVS-1060	Complete 60" Rod Set Assembly	199.95
BVS-1072	Complete 72" Rod Set Assembly	204.95
BVS-1084	Complete 84" Rod Set Assembly	214.95
BVS-1096	Complete 96" Rod Set Assembly	219.95

THE HAPP GUARDIAN HASP FOR OVER/UNDER MID-WIDTH VALIDATOR DOORS

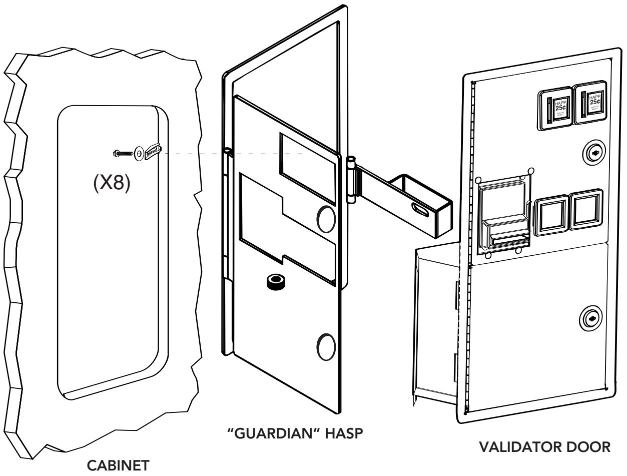
- Unique design requires no drilling, mounts directly to the cabinet
- For use on 40-3000-00 series over/under Mid-Width doors with or without upstacker
- 3/16” thick painted steel
- Welded padlock cover to insure padlock protection
- Fits on cabinets with very little clearance around the validator door and those that have no supports to mount a standard security bar
- Can be easily moved from one cabinet to another
- Two different versions available based upon height of upper door (Type I or Type II)

  Type I – Overall height of upper door is 10.70”

  Type II – Overall height of upper door is 9.90”



HAPP CONTROLS



To install, simply remove existing Mid-Width Door and slide door into large metal opening of hasp and re-install door to cabinet.

Part Number		Price per ea.
30-0171-00	“Guardian” Over/Under Mid-Width Validator Door Hasp Type I	91.55
30-0171-10	“Guardian” Over/Under Mid-Width Validator Door Hasp Type II	97.25

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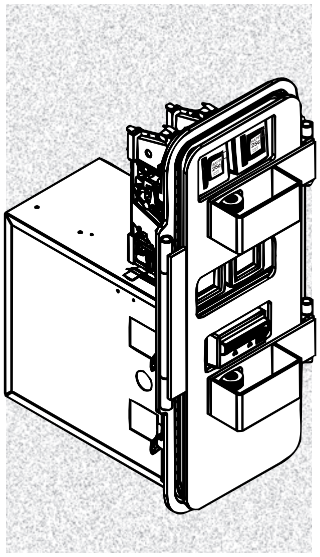
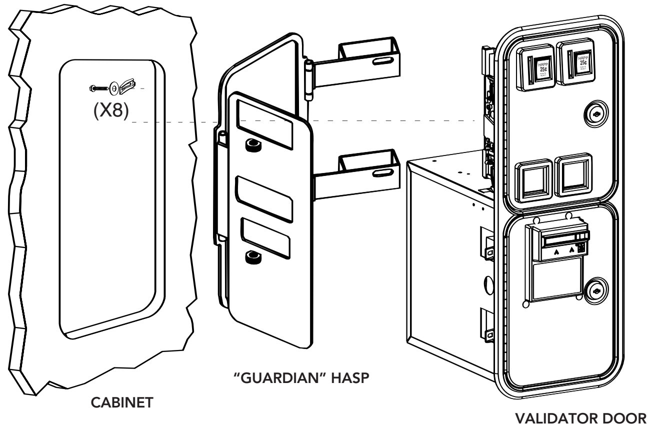
THE HAPP GUARDIAN HASP FOR OVER / UNDER 2-ENTRY STACKER VALIDATOR DOOR

- Unique design requires no drilling, mounts directly to the cabinet
- For use on 40-6000-00 series over/under 2-entry stacker validator doors with or without validator
- 3/16” thick painted steel
- Welded padlock cover to insure padlock protection
- Fits on cabinets with very little clearance around the validator door and those that have no supports to mount a standard security bar
- Can be easily moved from one cabinet to another



HAPP CONTROLS

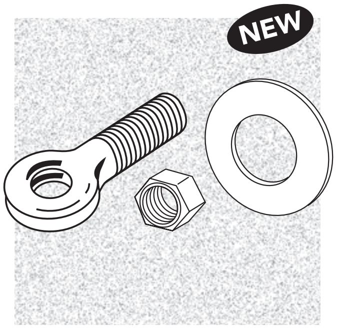


To install, simply remove existing 2-Enry Stacker Door and slide door into large metal opening of hasp and re-install door to cabinet.

Part Number		Price per ea.
30-2400-200	“Guardian” Over/Under 2-Entry Stacker Validator Door Hasp	82.25

1/2” EYEBOLT

- Made from hardened drop-forged steel
- Resists cutting
- Powder coated black
- Includes washer and locknut
- Made in USA

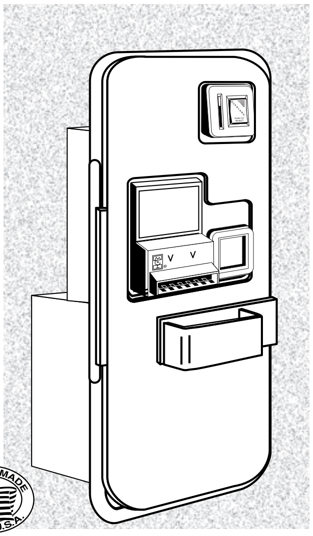


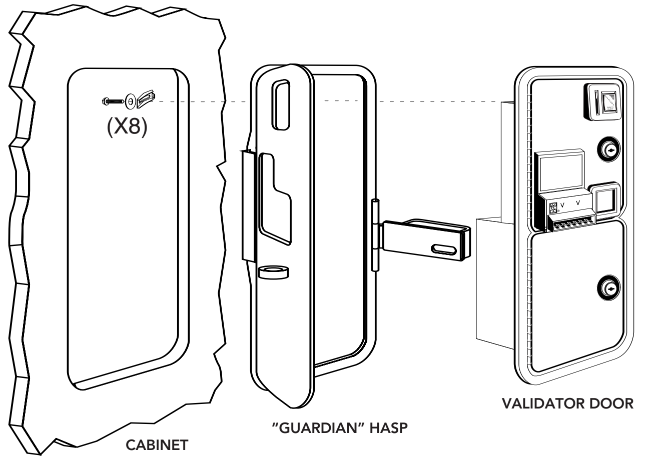
Part Number		Price per ea.
30-0021-00	1/2” Eyebolt	8.15

THE HAPP GUARDIAN HASP FOR OVER / UNDER VALIDATOR DOORS

- Unique design requires *no drilling*, mounts directly to the cabinet
- For use on 40-7000-00 series Over/Under Validator doors with upstacker
- 3/16" thick painted steel
- Fits on cabinets with very little clearance around the Validator door and those that have no supports to mount a standard security bar
- Welded padlock cover to insure padlock protection
- Can be easily moved from one cabinet to another

HAPP CONTROLS





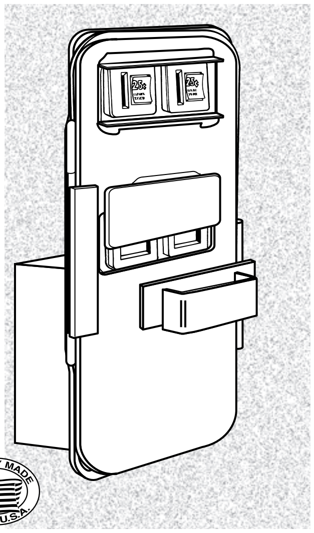
To install, simply remove existing Over/Under Validator Door and slide door into large metal opening of hasp and re-install door to cabinet.

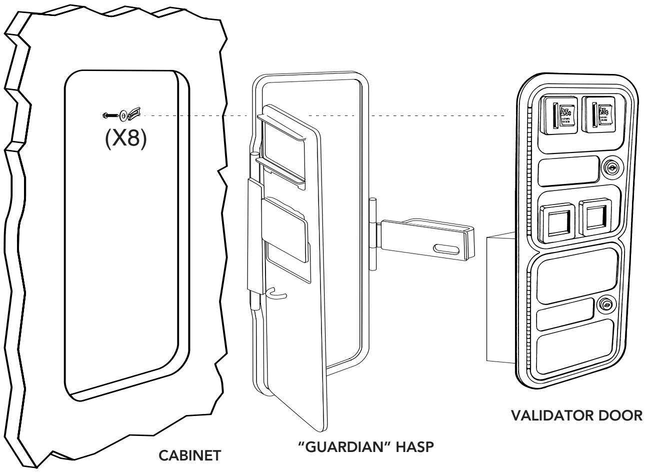
Part Number		Price per ea.
30-2400-00	"Guardian" Over/Under Validator Door Hasp	76.30

THE HAPP GUARDIAN HASP FOR OVER / UNDER DOORS

- Unique design requires *no drilling*, mounts directly to the cabinet
- 3/16" thick painted steel
- Fits on cabinets with very little clearance around the Over/Under door and those that have no supports to mount a standard security bar
- Welded padlock cover to insure padlock protection
- Can be easily moved from one cabinet to another

HAPP CONTROLS





To install, simply remove existing Over/Under Coin Door and slide door into large metal opening of hasp and re-install door to cabinet.

Part Number		Price per ea.
30-2401-00	"Guardian" Over/Under Door Hasp	69.95

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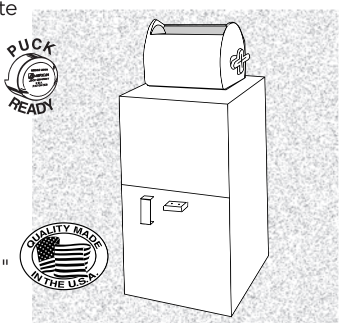
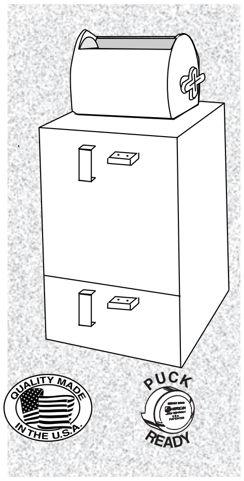
LARGE STANDARD ROLL TOP SAFE


PUCK READY
QUALITY MADE IN THE U.S.A.

- Heavy duty 3/8" shackle plate
- Will accommodate "Puck" Style Padlock, see padlock page in Security section
- Large hopper opening 4-1/4" x 7-1/2"
- Large 12" x 12" x 21" Vault Size
- Physical Size: 12" x 12" x 27"
- Weight: 70 lbs, ship via UPS

Part Number		Price per ea.
30-1470-00	Large Standard Roll Top Safe	359.00

LARGE STANDARD 2 COMPARTMENT SAFE


QUALITY MADE IN THE U.S.A.
PUCK READY

- Large bottom compartment for route driver to store filled changers and quickly exchange with the empty changers on location
- Will accommodate "Puck" Style Padlock, see padlock page in Security section
- Driver can access spare change on bottom without having access to the collected money deposited in the top compartment
- Extra heavy duty 3/8" thick locking plate
- Physical size: 15" x 15" x 34"
- Upper vault size: 15" x 15" x 14"
- Lower vault size: 15" x 15" x 10-1/2"
- Extra large hopper opening: 12" x 6"
- Weight: 120 lbs, ships via UPS

Part Number		Price per ea.
30-0106-00	Large Standard 2 Compartment Safe	369.00

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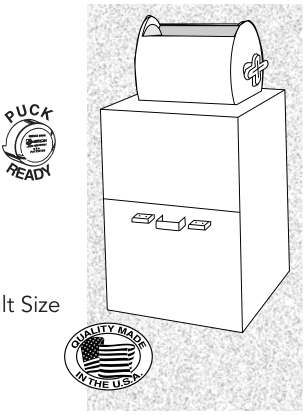
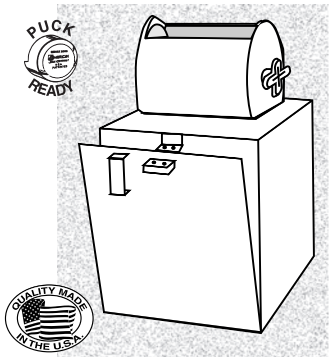
GIANT CAPACITY ROLL TOP SAFE


PUCK READY
QUALITY MADE IN THE U.S.A.

- Heavy duty 3/8" shackle plate
- Will accommodate "Puck" Style Padlock, see padlock page in Security section
- Equipped for 2 padlocks (Sold Separately)
- Large hopper opening 12" x 6"
- Maximum security with 1/4" thick door
- Extra Large 18" x 18" x 23" Vault Size
- Physical Size: 18" x 18" x 32-1/4"
- Weight: 127 lbs, ship via UPS

Part Number		Price per ea.
30-1475-00	Giant Capacity Roll Top Safe	409.95

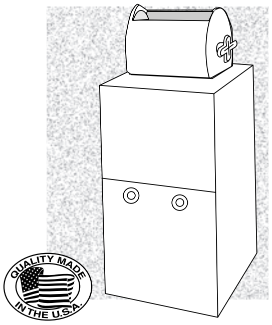
MEDIUM STANDARD ROLL TOP SAFE


PUCK READY
QUALITY MADE IN THE U.S.A.

- Roll top opening size 4-1/4" x 7-1/2"
- Physical Size: 10" x 10" x 11"
- Heavy 10 gauge steel construction
- Extra heavy duty 3/8" shackle plate
- Compact size
- Weight: 46 lbs, ship via UPS

Part Number		Price per ea.
30-0078-00	Medium Standard Roll Top Safe	289.95

LARGE DELUXE ROLL TOP SAFE

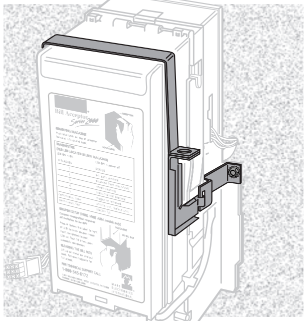

QUALITY MADE IN THE U.S.A.

- Roll top opening size 4-1/4" x 7-1/2"
- Large 12" x 12" x 21" Vault Size
- Heavy duty back up plate
- Heavy 10 gauge steel construction
- Physical Size: 12" x 12" x 27"
- Double deadbolt locking system
- Weight: 74 lbs, ships via UPS

Part Number		Price per ea.
30-0077-00	Large Deluxe Roll Top Safe	424.95

CUSTOM HASP ASSEMBLY FOR MEI VALIDATORS

- Custom designed for Mars AE & VN 2000 series validators
- Will only work with the compact bezel (bezel option no. 1) or fitted bezel (bezel option no. 5)
- Accommodates padlocks with 3/8” shackle

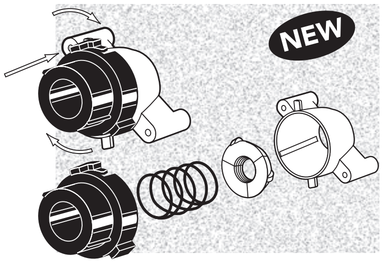


Part Number		Price per ea.
42-7112-00	Custom Hasp for MEI Validators	29.75

SLAM NUT ASSEMBLY

NEW

- Terrific time and labor saving device
- Allows you to simply ‘slam’ the T-Handle in after closing the door
- Eliminates screwing the T-Handle into the cage nut



Part Number		Price per ea.
30-0120-00	Slam Nut Assembly	11.15

SECURITY HASP FOR UNIVERSAL PINBALL VALIDATOR DOOR

NEW

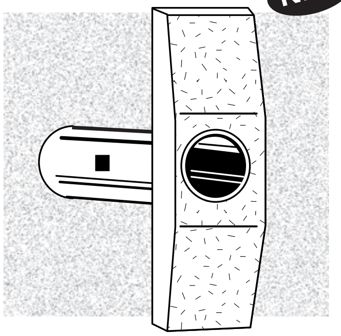
- Unique design requires no drilling, mounts directly to the cabinet
- For use on 40-0696-00 universal pinball validator door
- Fits on Stern, Data East, Sega and Williams Pinball
- Can be switched form cabinet to cabinet
- Fitted with standard padlock cover to insure padlock protection
- 1/8” thick powder coated steel
- Made in the U.S.A.

Part Number		Price per ea.
30-2401-S101	Hasp For Universal Pinball Validator Door	69.95

T-HANDLE

NEW

- Fits Chicago Lock and other T-Handles
- Can be used with studded or .25 turn T-Handle
- Will accept all standard inner cylinder locks
- Matte finish

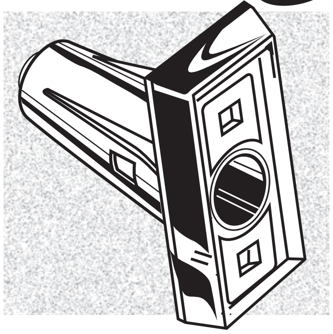


Part Number		Price per ea.
30-0183-00	T-Handle	3.95

T-HANDLE FLANGE

NEW

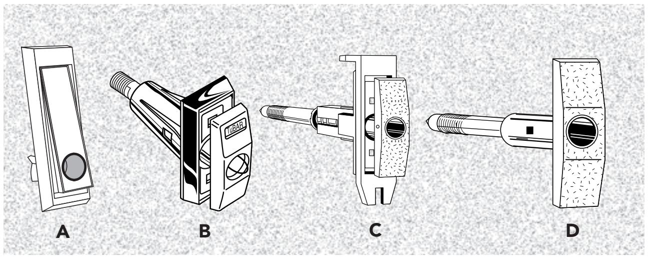
- Used with most T-Handles
- Can be used as studded or .25 turn T-Handle
- Polished chrome finish



Part Number		Price per ea.
30-0182-00	T-Handle Flange	3.95

T-HANDLE ASSEMBLIES

- These T-Handle assemblies come complete with hardware
- Simply add inner cylinder lock



Part Number	Key #	Manufacturer	Price per ea.
H640089AP	A	Automatic Products	115.75
H80150287001DN	C	Dixie Narco	13.20
30-0195-00	D	Dixie Narco	6.95
H227RM	B	R.M.I.	25.30
H35027808R	B	Rowe, Bill Changer	62.80
30-0184-00	B	Rowe	14.55

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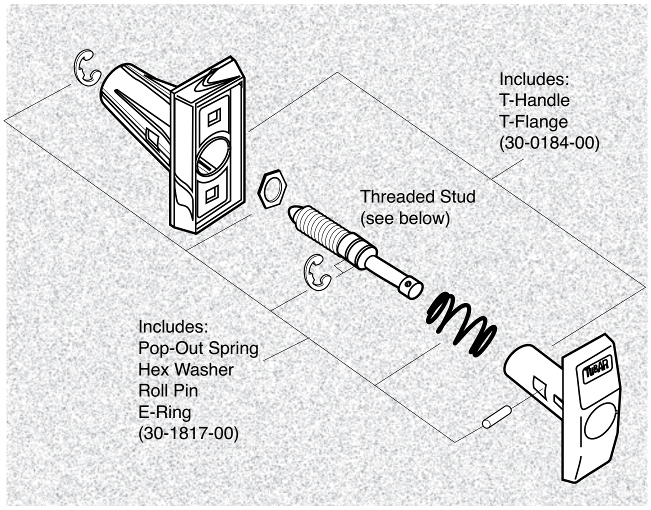
T-HANDLE KITS

- Inner Cylinder remains at or below the surface of the handle, making vandalism difficult.
- Accepts all standard Abloy, Ace, Ace Change-Matic, Flex-Ace, Duo, Gem, Medico and Happ Controls standard inner cylinder locks.
- To assemble a complete T-Handle, order parts 30-0184-00, 30-1817-00 and the threaded stud which fits your application from the list below.

Part Number		Price per ea.
30-0184-00	Includes: T-Flange, T-Handle	14.55
30-1817-00	Includes: E-Ring, Pop-Out Spring Hex Washer, Roll Pin	1.95



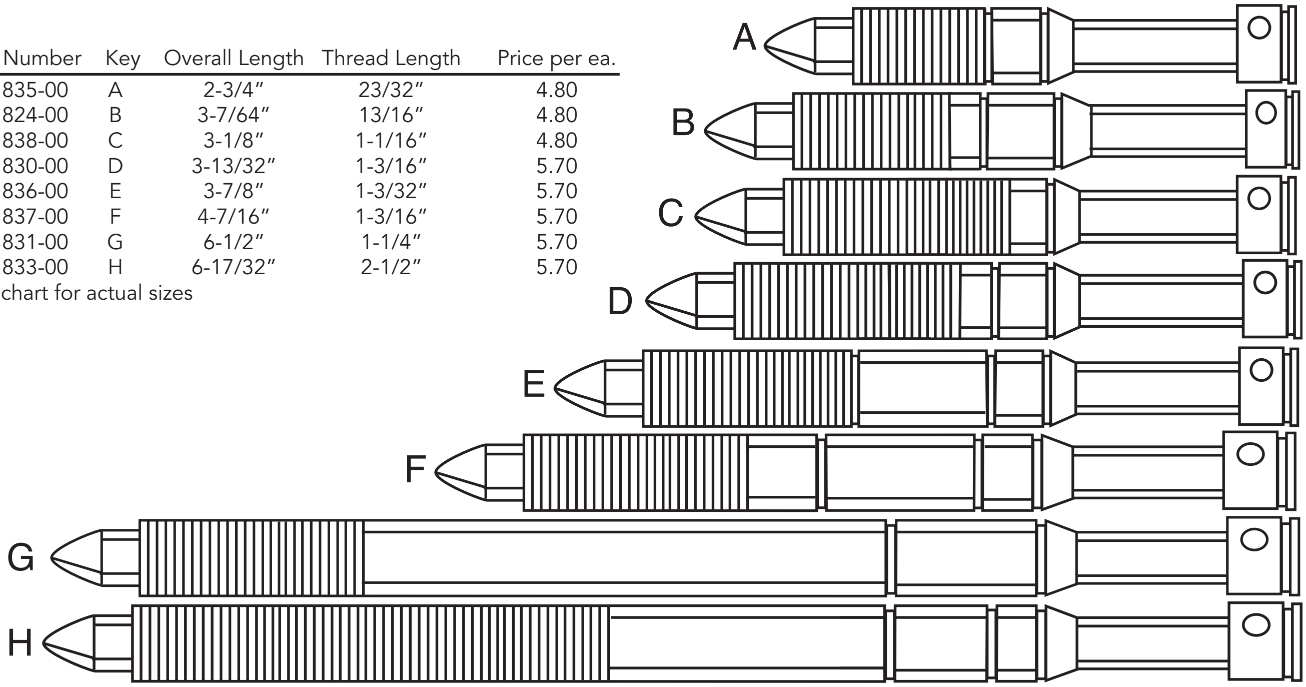
THREADED STUDS

- Used with Fort and other T-Handle Assemblies

Part Number	Key	Overall Length	Thread Length	Price per ea.
30-1835-00	A	2-3/4”	23/32”	4.80
30-1824-00	B	3-7/64”	13/16”	4.80
30-1838-00	C	3-1/8”	1-1/16”	4.80
30-1830-00	D	3-13/32”	1-3/16”	5.70
30-1836-00	E	3-7/8”	1-3/32”	5.70
30-1837-00	F	4-7/16”	1-3/16”	5.70
30-1831-00	G	6-1/2”	1-1/4”	5.70
30-1833-00	H	6-17/32”	2-1/2”	5.70

See chart for actual sizes

SIZE CHART FOR THREADED STUDS



SECURITY ALARM SYSTEM

- Impact sensor designed to sound alarm when impact, abuse and rocking is detected
- Sensor adjusts to desired sensitivity
- 128 db alarm sounds for 30 seconds
- Automatically turns off and resets
- Amusement alarm has 2 magnetic switches
- Vending alarm has 1 magnetic switch
- Wide voltage range (5 to 15 vdc)
- Low current drain (0.1 UA @ 12 vdc)
- 12 volt battery pack, with connectors (27-1064-BAT)
- Small controller size, only 1.85” x 2.25”
- Easy to install

Part Number		Price per ea.
27-1064-10	Amusement Machine Alarm	116.70
27-1064-00	Vending Machine Alarm	116.70
27-1064-BAT	Replacement 12V Battery	19.05

1/3" CCD COLOR CAMERA

- The 1/3" DSP color camera provides SONY, true color images especially for CCTV and security applications.
- 1/3" interline transfer CCD image sensor
- Selectable ESC, BLC & Flickerless on/off switch
- Sync mode selection switch (internal / line lock)
- AC24V Type V. PHASE adjustment button
- DC12V Type R.B GAIN adjustment button
- Supports standard C/CD mount lens
- Operates on AC24V -+10% with internal lock
- Excellent picture quality
- Image Device: 1/4" SONY CCD
- TV Line: 480 TV Line
- Minimum Illumination: 0.5 LUX, F1.2
- S/N Ratio: Better Than 48 dB
- Auto Iris Lens: Video / DC
- Gamma: 0.45
- Lens Mount: C & CS mount
- Power Supply: AC24V
- Power Consumption: 110mA, 3.6W max
- Dimensions: 4.6"(L) x 2.25"(W) x 2.25"(H)

Part Number		Price per ea.
32-0638-00	1/3" CCD Color Camera	202.90

WEATHERPROOF VIDEO CAMERAS

- For applications that require the quality and performance offered by full size security cameras in an outdoor location but has space limitations
- Offers the high performance of full size cameras at a fraction of the size.
- The super tough metal design is very compact at only 6.9" x 3.5" x 5.1".
- 4.3mm lens
- Monochrome camera has 420 lines resolution while color camera has 380 lines of resolution at 0.15 lux
- Power requirements are 12 volts DC
- Fully adjustable mounting bracket for the perfect camera angle
- Built-on sun shade
- Includes pre-installed plug and play video cables and swivel mounting bracket

Part Number		Price per ea.
32-0627-00	Monochrome Weatherproof Video Camera	130.05
32-0625-00	Color Weatherproof Video Camera	179.00

1/3" CCD COLOR DAY/NIGHT CAMERA

- This camera reproduces a true color in any severe environment with using the highest sensitivity CCD and advanced technology of digital processing.
- High Resolution 380 TV Lines
- High Sensitivity with minimum illumination at 0.8
- Automatic Electronic Shutter - automatically adjusts the shutter speed according to the subject brightness.
- Monitor Out - image of view angle and focus can be adjusted easily in the vicinity of the camera by connecting with BNC of monitor out.
- Power line noise free - this function keeps the camera from interruption of 2000V
- LED power indicator
- Image Device: 1/3" CCD
- TV Line: 380TV Line
- Minimum Illumination: 0.8 LUX, F1.4
- S/N Ratio: Better Than 48 dB
- Auto Iris Lens: Video drive lens available
- Gamma: 0.45
- Lens Mount: C & CS mount
- Power Supply: AC24V
- Power Consumption: 50mA, 4W max
- Dimensions: 3.5"(L)x 2.25"(W) x 2"(H)

Part Number		Price per ea.
32-0637-00	1/3" CCD Color Day/Night Camera	228.90

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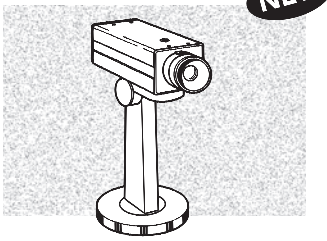
COLOR CAMERA WITH AUDIO

NEW

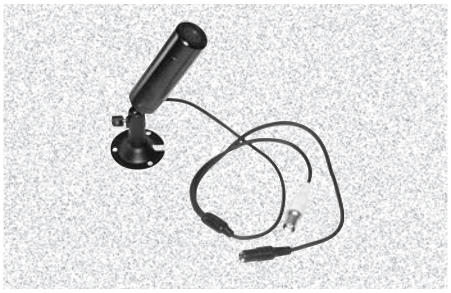


- Integrated lens CCD: 3.6mm F 2.0 fixed focus
- Resolution: 420 horizontal TV lines
- Signal / Noise ratio: 46 dB
- Power consumption: 1.3 watts
- Auto iris shutter: 1/60 – 1/100,000
- Image sensor: 1/3″ Color CMOS
- Minimum illumination: 2 Lux
- Camera dimensions: 1-3/4″ x 5-1/2″ x 1-7/8″; with stand 8″ x 5-1/2″ x 3″
- Includes 60′ of cable, 110 volt transformer and stand
- 6 per case

Part Number		Price per ea.
32-0687-00	Color Camera With Audio	207.10

OUTDOOR MICRO-VIDEO CAMERAS

NEW

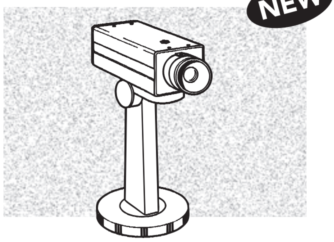


- Super small compared to other weatherproof cameras, only 0.89″ x 1.95″
- Offers incredible features and performance
- Machined metal case is high quality and rugged
- Has an outstanding low light rating
- Stepless automatic electronic shutter handles very dim room light or bright outdoor applications with ease
- New image enhancing circuit automatically fine tunes and sharpens the picture.
- All camera control functions are automatic, ensuring great video in nearly any situation
- Built-in DC-DC converter enables the camera to maintain high quality video even when used with noisy power supplies or long cable runs
- Not designed for total immersion, but is extremely rugged to survive humid or outdoor environments
- Plug and play video and power cables are standard, as is a swivel mounting bracket
- Resolution: monochrome 420 lines; color 380 lines
- Field of view: monochrome 75 degrees; color 55 degrees
- 12 volts DC

Part Number		Price per ea.
32-0626-00	Weather Resistant Monochrome Micro-Video Camera	161.30
32-0624-00	Weatherproof Color Micro-Video Camera	244.50

BLACK/WHITE CAMERA WITH AUDIO

NEW

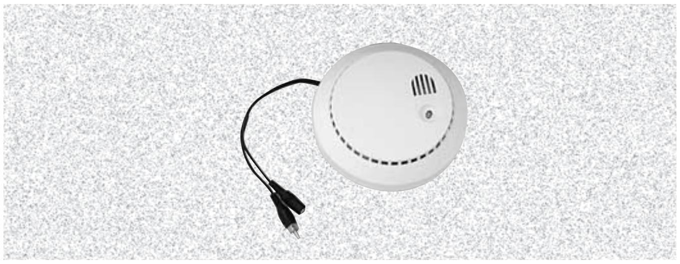


- Integrated lens CCD: 3.6mm F 2.0 fixed focus
- Resolution: 420 horizontal TV lines
- Signal / Noise ratio: 46 dB
- Auto iris shutter: 1/60 – 1/100,000
- Image sensor: 1/3″ CCD
- Minimum illumination: 0.05 Lux
- Camera dimensions: 1-3/4″ x 4″ x 2-1/8″
- Includes 60′ of cable, 110 volt transformer and stand
- 6 per case

Part Number		Price per ea.
32-0684-00	Black/White Camera With Audio	124.80

WIRED MONOCHROME SMOKE DETECTOR CAMERA

NEW



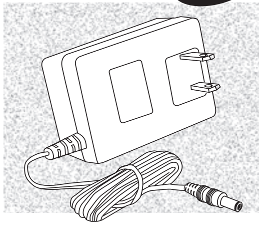
- Features the new 2.4 gigahertz FM synthesized technology for long range and solid video performance
- Wide angle monochrome camera is pointed down at a very strategic 30 degree oblique angle, which delivers a commanding view of most rooms
- Use the new MVR-3 super high gain receiver/antenna for up to 2500 feet plus range
- 410 lines of resolution
- FCC approved
- 9-15 volts DC, 110mA

Part Number		Price per ea.
32-0630-00	Wired Monochrome Smoke Detector Camera	161.30

12 VOLT DC POWER SUPPLY

NEW

- Regulated so it can be used with any of 12 volt camera as long as the cameras current draw does not exceed 500 mA



Part Number		Price per ea.
32-0629-00	12 Volt DC Power Supply	24.45

1/3" COLOR DOME CAMERA

NEW

- 1/3" SHARP color CCD
- Digital signal processing
- 1.0 LUX sensitivity at F1.2
- Mirror image available
- Black light compensation
- C/CS mount available
- Audio function
- Resolution: 330 TV lines
- Fixed lens
- Power: DC9V - DC14V
- Power consumption: 110mA (DC12V)
- Medium dome size: 4" W x 3.5" H
- Large dome size: 4.75" W x 4" H

MEDIUM DOME

LARGE DOME

Part Number		Price per ea.
32-0670-00	Medium Dome, Black	140.45
32-0669-00	Large Dome, Black	167.15
32-0671-00	Medium Dome, White	140.45
32-0668-00	Large Dome, White	140.45

INDOOR/OUTDOOR CAMERA HOUSINGS

NEW

32-0650-00

32-0651-00

- Protects camera from inclement weather
- Built-in sunshield
- Aluminum construction
- Color: tan/beige
- Weight: approximately 5 lbs
- Easy installation
- 32-0651-00 has a built-in heater and blower

Part Number		Size	Price per ea.
32-0650-00	Camera Housing	5.59" x 4.53" x 9.05"	20.80
32-0651-00	Camera Housing (Built-In Heater)	5.59" x 4.53" x 9.05"	38.45

LENSES

NEW

- Varifocal, standard or board type available
- High quality and very economical

32-0652-00

32-0653-00

32-0654-00

32-0655-00

32-0656-00

32-0657-00

32-0658-00

32-0659-00

32-0661-00

32-0662-00

32-0663-00

32-0664-00

32-0665-00

32-0666-00

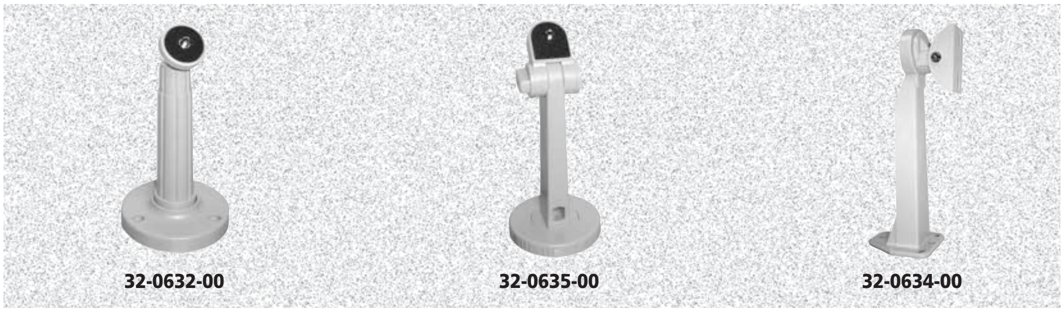
32-0667-00

Part Number	Type	MM	Iris	Stop	Price per ea.
32-0652-00	Varifocal	3.5mm-8mm	Auto	F1.4	65.55
32-0653-00	Varifocal	2.8mm-10mm	Auto	F1.4	90.50
32-0654-00	Varifocal	5mm-50mm	Auto	F1.8	104.00
32-0655-00	Varifocal	3.5mm-8mm	Manual	F1.4	48.90
32-0656-00	Varifocal	5mm-50mm	Manual	F1.8	83.20
32-0657-00	Standard	2.5mm	None	ST2.5	17.65
32-0658-00	Standard	4mm	None	ST4	17.65
32-0659-00	Standard	6mm	None	ST6	17.65

Part Number	Type	MM	Iris	Stop	Price per ea.
32-0661-00	Standard	12mm	None	ST12	17.65
32-0662-00	Standard	16mm	None	ST16	17.65
32-0663-00	Board	2.5mm (wide angle)	None	F1.4	13.55
32-0664-00	Board	4mm	None	F1.4	13.55
32-0665-00	Board	6mm	None	F1.4	13.55
32-0666-00	Board	8mm	None	F1.4	13.55
32-0667-00	Board	16mm	None	F1.4	13.55

CAMERA MOUNTS

NEW



Part Number	Mount Type	Construction	Swivel	Color	Length	Supports	Price per ea.
32-0632-00	Camera	Plastic	360°	Beige	7″	6 lbs	6.25
32-0635-00	Camera	Plastic	360°	Ivory	6″	6 lbs	6.05
32-0634-00	Housing	Aluminum	None	Gray	11″	25 lbs	10.35

14″ 8 CHANNEL COLOR MONITOR

NEW

- 8Ch 2 Page Quad Built-in
- Accepts NTSC, PAL video format
- On Screen Display
- Auto channel switching function
- Contrast, Brightness, Sharpness, Color, Tint
- 4 Audio Inputs
- 4 BNC input, 4 DIN (Mini-DIN) inputs
- Remote Controller
- Picture tube: 14″ CRT
- Resolution: 380 TV Lines
- Video input: 4 BNC, 4 6pin-DIN
- Power consumption: 80W (Max)
- Power input: 100V-230V, 50/60Hz
- Size: 14.4″(W)x13.3″(H)x15.1″(D)
- Audio input: 4 RCA Input, -5dBu
- Audio output: 1.2 Watts
- Weight: 28.66 lbs.

Part Number		Price per ea.
32-0641-00	14″ 8 Channel Color Monitor	546.25

14″ HI-RESOLUTION COLOR MONITOR

NEW

- Exceptional high resolution
- Standard 75ogm, high impedance VIDEO input
- Y/C separated video input
- Contrast, Brightness, Sharpness, Color, Tint
- VCR output/input
- Audio input
- Picture Tube: 14″ CRT
- Resolution: 380 TV Lines
- Video Input: Composite 1Vp-p
- Power Consumption: 60W (Max)
- Power Input: 100V-230V, 50/60Hz
- Dimensions: 14.4″(W)x 13.3″(H) x 15.1″(D)
- Audio Input: 1 Input, -5dBu
- Audio Output: 1.2 Watts
- Weight (Approx): 26.5 lbs

Part Number		Price per ea.
32-0639-00	14″ Hi-Resolution Color Monitor	275.70

FUJI HQ VHS TAPE

NEW

- High quality multi-purpose videotape
- Ideal for everyday recordings
- T-160 HQ 8 hour tape

Part Number		Price per ea.	L/100
32-0551-00	Fuji T-160HQ VHS Tape	3.70	3.15

SONY V VHS TAPE

NEW

- Premium grade
- High durability
- Brilliant color and sound
- T-120 V 6 hour tape

Part Number		Price per ea.	L/100
32-0536-00	Sony T-120V VHS Tape	2.60	2.05

TDK REVUE VHS TAPE

NEW

- Premium grade
- Premium quality pictures with sharp clear colors
- Fast, smooth, anti-jam cassette operation
- Extra-durable for repeated recording and playback

Part Number		Price per ea.	L/100
32-0324-00	TDK T-120RV 6 Hour VHS Tape	3.05	2.50
32-0479-00	TDK T-160RV 8 Hour VHS Tape	3.65	3.15

VIDEO CASSETTE RECORDERS

NEW

- Field counter on screen
- Real time 30H REC/PB (NTSC EP, PAL LP mode)
- Linear Audio (up to 30H)
- Wireless remote control (Optional)
- Camera switching pulse
- 31 days battery back-up
- Flexible timer recording
- Universal Power - the VCR has wide range power input that requires no manual switching: AC90-240V, 50/60Hz
- Multiple OSD Language (English / French / Spanish /German / Italian)
- Alarm Record; Series Record; Go to Zero; Alarm recall; Alarm search
- Power fail recall
- Low energy consumption (approx. 17w)
- Mic record (AUDIO)

Tape Format	VHS
Video Recording System	4 Rotary Heads, Azimuth Helical Scanning System
Luminance Signal	FM Recording
Color Signal	Color Subvarrier Phase Shift Recording
REC/PB Mode	NTSC SP L2, L14, L26, 48, 72, 120, 168, 240, 480, 960 EP L6, L18, L30, 48, 72, 120, 168, 240, 480, 960 PAL SP L3, L15, L27, 48, 72, 120, 168, 240, 480, 960 LP L6, L30, 48, 72, 120, 168, 240, 480, 960
Horizontal Resolution	More than 320 lines (B/W) More than 280 lines (Color)
Signal to Noise Ratio	Video 43dB Audio 42dB
Video Input	1.0Vp/p, 75 Ohm BNC-F jack
Video Output	1.0Vp/p, 75 Ohm BNC-F jack
Audio Input	-8dBm, 47K Ohm, RCA Pin jack
Audio Output	-6dBm, 1K Ohm, RCA Pin jack
Alarm Recording Time	Up to L30H
Elapsed Use Time	Up to 9,999 hours max
Timer Programs	8 Programs
Battery Backup	31 Days
Remote in	Wired / Wireless (Optional)
Power Source	AC 90-240V 50/60Hz
Power Consumption	Approx. 17Watts
Operating Temperature	41F ~ 104F (5C ~ 40C)
Relative Humidity	Max. 80%
Dimensions	14.17”W x 3.7”H x 10.63”D
Weight	7.71 lbs.

Part Number		Price per ea.
32-0646-00	Video Cassette Recorder (Up To 30 Hours Real-time 6/13/30)	390.15
32-0647-00	Video Cassette Recorder (Up To 30 Hours Real-time, 960 Hours Time-lapse)	415.15

4 OR 8 CHANNEL SWITCHER

NEW

- Automatic or manual Audio/Video sequential switcher designed for programming signals from several different input Audio/Video signals.
- Automatic sequential switching function, variable dwell time from 1 to 35 seconds.
- Video Input: 1.0Vp-p adjustable, 75 ohm
- Video Output: BNCX2, composite video 1.0 Vp-p, 75 Ohms
- Video Format: EIA or CCIR Mono Video signal NTSC or PAL color video signal
- Auto Scan Time: 1 sec to 35 sec
- Power input: 110 VAC or 230 VAC
- Power Consumption: 3W max. 300mA
- Dimension 11”(W) x 7.5”(D) x 2.16”(H)
- Weight: 4.4 lbs

Part Number		Price per ea.
32-0644-00	4 Channel Switcher	98.80
32-0643-00	8 Channel Switcher	114.40

4 CHANNEL COLOR QUAD

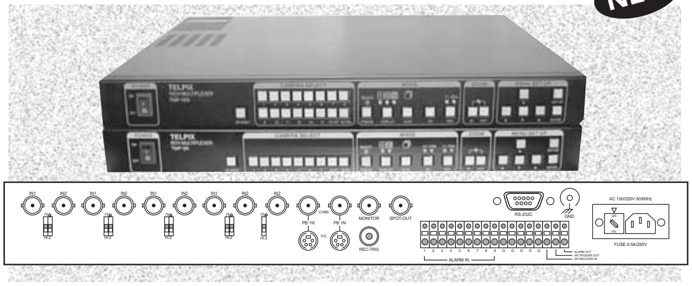
NEW

- 4Ch Color Quad / Picture In Picture PlayBack /Zoom
- Real Time Quad Display
- Full / Quad / PIP / POP / Multi-Screen Display Mode
- Programmable MENU in OSD
- Alarm Status Record
- Buzzer for Alarm In/Out
- Event Record in Alarm & Video Loss
- Picture Capture
- Power On / Video Loss Record Display
- Digital 2X Zoom in VCR Play Back Mode
- Auto Sequential
- Inputs: Video Input: 4 BNC, VCR Input: BNC
- Outputs: Monitor Output: BNC, VCR Output: BNC
- Alarm: 4 Ch individual On/Off, OSD Display & Buzzer Time Zone Selectable, Alarm Even Record Display till 30 list, Alarm Out
- Video Loss: OSD Display & Buzzer, Video Loss Out
- OSD Display: Camera ID, Time/Date Display
- Zoom: 2X Zoom Mode VCR Play Back
- Picture Capture: Up to 8 pictures record
- Power On Event: Power On Event Record Display
- Remote Control: RS-232C Connection (Option)
- Power Supply: DC 5V, 2A
- Dimension: 7.87”(W) x 1.69”(H) x 6.10”(D)
- Weight: 1.76 lbs

Part Number		Price per ea.
32-0642-00	4 Channel Color Quad	280.50

9 CHANNEL MULTIPLEXER WITH DIGITAL ZOOM

NEW



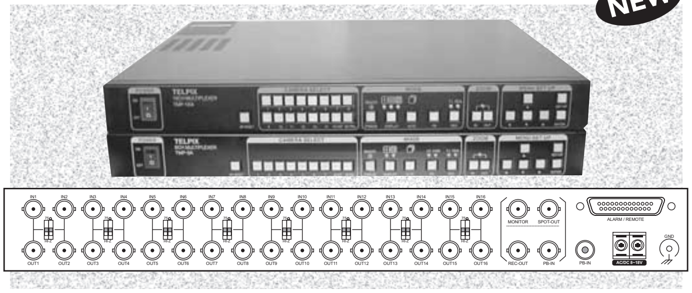
- NTSC/PAL Compatible
- Full Digital Processing
- Duplex Function
- Fast Frame Rate
- Recording Channel Select
- Zoom and Pan Functions
- Freeze Function
- Motion Detect Function
- Spot-out Output
- Image Control
- Auto Switching Function
- Alarm I/O Function
- Alarm List Function
- Remote Control Function
- Storing the Settings

Specifications:	
Signal System:	NTSC, PAL
Input Signals: Camera Input:	9 Ch, 1V pp, 75 Ohm, BNC
Playback Input:	1V pp, 75 Ohm, BNC
Output Signals:	Monitor Output: 1 Ch 1V pp, 75 Ohm, BNC
REC Output:	1 Ch 1V pp, 75 Ohm, BNC
Spot-Out Output:	1 Ch 1V pp, 75 Ohm, BNC
Frame Rate: Monitor:	Single - 30fps, 4 split - 30fps, 9 split - 5fps
REC:	(60 / # of Ch) field / sec or (30 / # of Ch) frame / sec
Resolution:	NTSC: 720x480 PAL : 720 x 576
Alarm Inputs:	9 Inputs, over 60msec, Low Active TTL or POC Input
Alarm Recover Input:	1 Input, over 60msec, Low Active TTL or POC Input
Alarm Trigger Output:	100msec. Open Collector Low Active
Alarm Output:	~30min. Open Collector Low Active
Communication Control:	RS-232C, 9600 bps, DB-9 Female terminal
Alarm List Display:	Max 200. Time/Channel/Input signal/Motion detect
Screen Control:	Contrast, Brightness, Color Gain setting function
Standard Power Input:	AC100 / 220V Selection, 50 / 60 Hz
Power Consumption:	Max 25W
Operating Humidity:	10 - 80% RH
Operating Temperature:	0 - 40C
Dimension:	17”(W) x 1.75”(H) x 13.66”(D)
Weight:	10 lbs

Part Number		Price per ea.
32-0648-00	9 Channel Multiplexer With Digital Zoom	883.35

16 CHANNEL MULTIPLEXER WITH DIGITAL ZOOM AND LOOP OUT

NEW



- NTSC/PAL Compatible
- Full Digital Processing
- Duplex Function
- Fast Frame Rate
- Recording Channel Select
- Zoom and Pan Functions
- Freeze Function
- Motion Detect Function
- Spot-out Output
- Image Control
- Auto Switching Function
- Alarm I/O Function
- Alarm List Function
- Remote Control Function
- Storing the Settings

Specifications:	
Signal System:	NTSC, PAL
Input Signals: Camera Input:	9 Ch, 1V pp, 75 Ohm, BNC
Playback Input:	1V pp, 75 Ohm, BNC
Output Signals:	Monitor Output: 1 Ch 1V pp, 75 Ohm, BNC
REC Output:	1 Ch 1V pp, 75 Ohm, BNC
Spot-Out Output:	1 Ch 1V pp, 75 Ohm, BNC
Frame Rate: Monitor:	Single - 30 4 split - 30 9 split 5 16 split - 3.75
REC:	(60 / # of Ch) field / sec or (30 / # of Ch) frame / sec
Resolution:	NTSC: 720x480 PAL : 720 x 576
Alarm Inputs:	16 Inputs, over 60msec, Low Active TTL or POC Input
Alarm Recover Input:	1 Input, over 60msec, Low Active TTL or POC Input
Alarm Trigger Output:	100msec. Open Collector Low Active
Alarm Output:	~30min. Open Collector Low Active
Communication Control:	RS-232C, 9600 bps, DB-9 Female terminal
Alarm List Display:	Max 200. Time/Channel/Input signal/Motion detect
Screen Control:	Contrast, Brightness, Color Gain setting function
Standard Power Input:	AC/DC 8~18V Adaptor
Power Consumption:	Max 25W
Operating Humidity:	10 - 80% RH
Operating Temperature:	0 - 40C
Dimension:	17”(W) x 1.75”(H) x 13.66”(D)
Weight:	10 lbs

Part Number		Price per ea.
32-0649-00	16 Channel Multiplexer With Digital Zoom	935.35

4 CHANNEL COLOR MULTIPLEXER WITH PICTURE IN PICTURE

NEW

- Real Time Quad Display
- Full / Quad / PIP / POP / Multi-Screen Display Mode
- Programmable MENU in OSD
- Alarm Status Record
- Buzzer for Alarm In/Out
- Event Record in Alarm & Video Loss
- Picture Capture
- Power On / Video Loss Record Display
- Digital 2X Zoom in VCR Play Back Mode
- Auto Sequential
- Small Size: 8”(W) x 1.75”(H) x 6”(D)

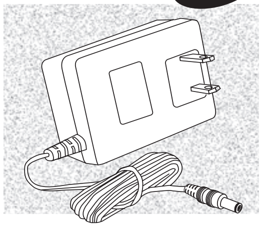
Specifications:	
Signal System:	NTSC, PAL
Input Signals: Camera Input:	4 Ch, 1V pp, 75 Ohm, BNC
Playback Input:	1V pp, 75 Ohm, BNC
Output Signals:	Monitor Output: 1 Ch 1V pp, 75 Ohm, BNC
REC Output:	1 Ch 1V pp, 75 Ohm, BNC
Frame Rate: Monitor:	Single - 30fps, 4 split - 30fps
REC:	(60 / # of Ch) field / sec or (30 / # of Ch) frame / sec
Resolution:	NTSC: 720x480 PAL : 720 x 576
Alarm Inputs:	4 Inputs
Alarm Output:	Open Collector
Screen Control:	Contrast, Brightness, Color Gain setting function
Standard Power Input:	DC 5V, 2A
Power Consumption:	Max 25W
Operating Humidity:	10 - 80% RH
Operating Temperature:	0 - 40C
Dimension:	8”(W) x 1.75”(H) x 6”(D)
Weight:	10 lbs

Part Number		Price per ea.
32-0640-00	4 Channel Color Multiplexer	623.25

24 VOLT AC POWER SUPPLY

NEW

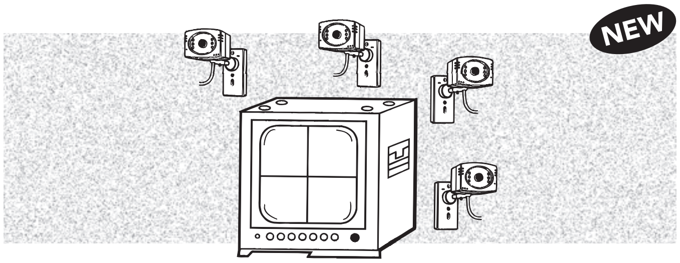
- Powers 24 Volt AC cameras



Part Number		Price per ea.
32-0628-00	24 Volt AC Power Supply	31.20

COMPLETE COLOR CAMERA SYSTEM

NEW

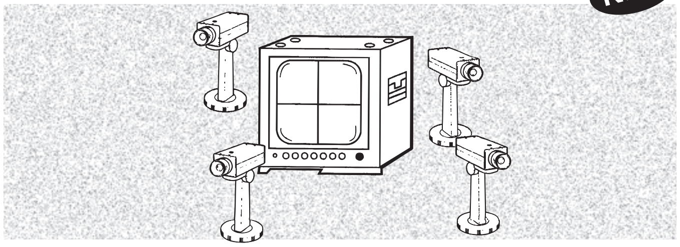


- View up to 4 locations simultaneously in real time
- 14” Color monitor with 380 lines of resolution, 2-20 second switching time, 2 video outputs and alarm function
- Monitor mode selections include
  - -One location full screen
  - -Four locations on one screen
  - -Zoom, enlarge and close-up
  - -Picture-in-picture
- Four 1/3” cameras with 2.0 fixed focus, 3.8mm lens, 450 lines of resolution, 0.2 lux min. illumination, 1/60-1/15000 auto iris shutter
- VCR hookup for recording video and audio
- On screen date, time and camera location
- Complete system includes:
  - -Large 14” color quad processor
  - -4 cameras
  - -60 ft of cable
- Power supply: 17V / 1550Ma

Part Number		Price per ea.
32-0673-00	Complete Color Camera System	995.00

COMPLETE BLACK & WHITE CAMERA SYSTEM

NEW



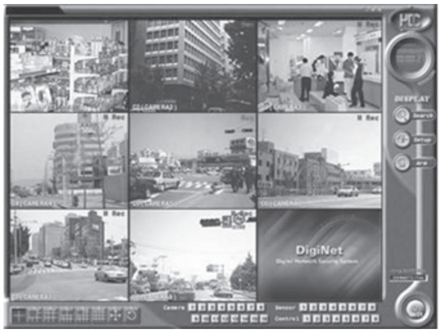
- View up to 4 locations simultaneously in real time
- 14” B/W monitor with 380 lines of resolution, 2-20 second switching time, 2 video outputs and alarm function
- Monitor mode selections include
  - -One location full screen
  - -Four locations on one screen
  - -Zoom, enlarge and close-up
  - -Picture-in-picture
- Four 1/3” cameras with 2.0 fixed focus, 4.0mm lens, 450 lines of resolution, 0.2 lux min. illumination, 1/60-1/15000 auto iris shutter
- VCR hookup for recording audio and video
- On screen date, time and camera location
- Audio input
- Power supply: 17V / 1500Ma
- Complete system includes:
  - -Large 14” black and white quad processor
  - -4 cameras
  - -60 ft of cable

Part Number		Price per ea.
32-0672-00	Complete Black & White Camera System	519.20

KODICOM 1800 SERIES DIGITAL VIDEO MANAGEMENT SYSTEM

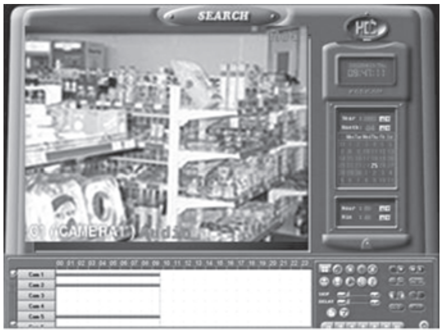
NEW

- 4, 8 or 16 channels
- Up to 30 images per second processing
- Motion/Alarm/Continuous recording allows for weeks of storage
- Simultaneous recording and playback
- Digital watermark
- Printer hardcopy/JPG/BMP to diskette
- Call (spot) monitor output
- LAN, WAN and dial-up connectivity (TCP/IP)
- Rack mount



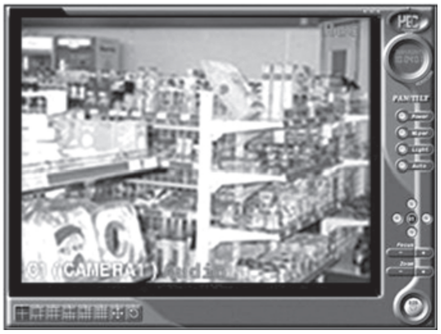
GUARD SCREEN

- Multi-picture display
- Self-programmable 1,4,6,9,10,13,16 screen split
- Endless and synchronized recording
- Real time image surveillance
- Partial / whole picture enlargement
- Remote surveillance over LAN, internet or modem
- User defined motion detection
- Easy to use and operate graphical user interface



SEARCH SCREEN

- Direct and immediate search by date, time, camera and time line
- Intelligent search functions: playback, fast forward, backward, skip, slow motion, pause, frame-by-frame, zoom, image quality and brightness control
- View, save or print images
- External backup on 3.5” floppy disk or CD-RW



PAN/TILT SCREEN

- Pan/Tilt/Zoom and focus control of up to 16 PTZ cameras (RS-422 RX Receiver option)
- Zoom in / out, focus, power, light control and auto settings
- Remote PTZ and focus control via PSTN, ISDN, Internet and modem
- Quick and easy selection and operation of any PTZ camera connected to DVR

VIDEO INPUT
- Number of video input channels: 4
- Video input 1 Vpp, 75 Ohm typical
- Connector BNC
- Compression type proprietary (Engine-K)
- Resolutions 160 x 120, 320 x 240, 640 x 480
- Max. display and recording speed with 4 cameras: 30 & 20 images per second

VIDEO OUTPUT
- Main monitor VGA (1024 x 768)
- Connector (main monitor) DB-15 HD (SVGA)
- Call (spot) monitor 1 Vpp, 75 Ohm
- Connector (call monitor) RCA

AUDIO
- Recording and playback 1 channel (line or mic in, line out)
- Connectors 1/8” mini phone jacks

ALARM INPUTS AND OUTPUTS
- Number of inputs: 0 (non isolated for dry contact sensors & optional 4 inputs)
- Number of outputs: 0 (isolated with common return & optional 4 outputs)
- Connectors screwless terminal block

ELECTRICAL
- Power source 115-120 VAC; 50—60Hz switchable, maximum 300W

CONNECTIVITY
- LAN/WAN 10/100 Ethernet card
- Connector (LAN/WAN) RJ-45
- Connector (dial-up) DB-9 or telephone jack RJ-12

HARDWARE
- Platform PC based: Windows 98™ 2nd Edition
- Hard disk 1 internal 120 GB hard disk (upgradeable to 6 hard disks)
- CDRW & 1.44 MB Floppy drive
- Memory: 256 MB RAM

MECHANICAL
- Mounting 4U rack mount chassis
- Finish / black case/ steel

ENVIRONMENTAL
- Dimensions 483mm x 450mm x 177mm (W x D x H)
- Approx. weight 28.16kg (61.95 lb)
- Operating temperature 5° to 40°C, 41° to 104°F
- Operating humidity below 90% RH

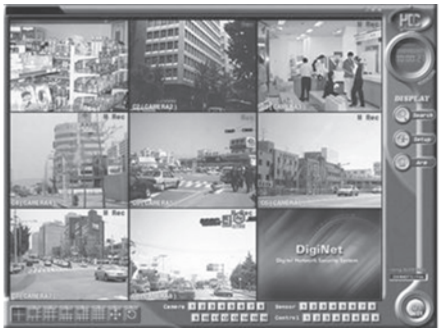
WARRANTY
- Coverage period: 3 years parts and 1 year hard drive and & labor

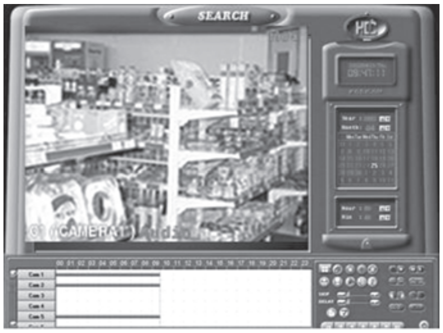
Part Number		Price per ea.
32-0681-00	Kodicom 1804 4-Channel System	3692.70
32-0680-00	Kodicom 1808 8-Channel System	4202.96
32-0679-00	Kodicom 1816 16-Channel System	4597.28

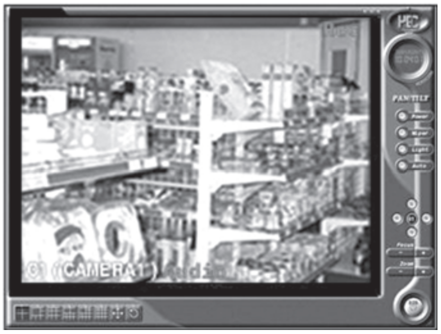
KODICOM 4400 SERIES VIDEO MANAGEMENT SYSTEM

- 4, 8 or 16 channels available
- Up to 120 images per second processing
- Motion/Alarm/Continuous recording allows for weeks of storage
- Simultaneous recording and playback
- Digital watermark
- Printer hardcopy/JPG/BMP to diskette
- Call (spot) monitor output
- LAN, WAN and dial-up connectivity (TCP/IP)
- Rack mount

KODICOM PARTNERS







GUARD SCREEN

- Multi-picture display
- Self-programmable 1,4,6,9,10,13,16 screen split
- Endless and synchronized recording
- Real time image surveillance
- Partial / whole picture enlargement
- Remote surveillance over LAN, internet or modem
- User defined motion detection
- Easy to use and operate graphical user interface

SEARCH SCREEN

- Direct and immediate search by date, time, camera and time line
- Intelligent search functions: playback, fast forward, backward, skip, slow motion, pause, frame-by-frame, zoom, image quality and brightness control
- View, save or print images
- External backup on 3.5” floppy disk or CD-RW

PAN/TILT SCREEN

- Pan/Tilt/Zoom and focus control of up to 16 PTZ cameras (RS-422 RX Receiver option)
- Zoom in / out, focus, power, light control and auto settings
- Remote PTZ and focus control via PSTN, ISDN, Internet and modem
- Quick and easy selection and operation of any PTZ camera connected to DVR

VIDEO INPUT
- Number of video input channels: 4
- Video input 1 Vpp, 75 Ohm typical
- Connector BNC
- Compression type proprietary (Engine-K)
- Resolutions 160 x 120, 320 x 240, 640 x 480
- Max. display and recording speed w/ 4 cameras: 120 & 120 images per second

VIDEO OUTPUT
- Main monitor VGA (1024 x 768)
- Connector (main monitor) DB-15 HD (SVGA)
- Call (spot) monitor 1 Vpp, 75 Ohm
- Connector (call monitor) RCA
- AUDIO
- Recording and playback 1 channel (line or mic in, line out)
- Connectors 1/8” mini phone jacks

ALARM INPUTS AND OUTPUTS
- Number of inputs: 0 (non isolated for dry contact sensors & optional 4 inputs)
- Number of outputs: 0 (isolated with common return & optional 4 outputs)
- Connectors screwless terminal block

CONNECTIVITY
- LAN/WAN 10/100 Ethernet card
- Connector (LAN/WAN) RJ-45
- Connector (dial-up) DB-9 or telephone jack RJ-12

HARDWARE
- Platform PC based: Windows 2000 Pro™ or 98™ 2nd Edition
- Hard disk 1 internal 120 GB hard disk (upgradeable to 6 hard disks)
- CDRW & 1.44 MB Floppy drive
- Memory: 256 MB RAM

ELECTRICAL
- Power source 115-120 VAC; 50—60Hz switchable, maximum 300W

MECHANICAL
- Mounting 4U rack mount chassis
- Finish / black case / steel

ENVIRONMENTAL
- Dimensions 483mm x 450mm x 177mm (W x D x H)
- Approx. weight 28.16kg (61.95 lb)
- Operating temperature 5° to 40°C, 41° to 104°F
- Operating humidity below 90% RH

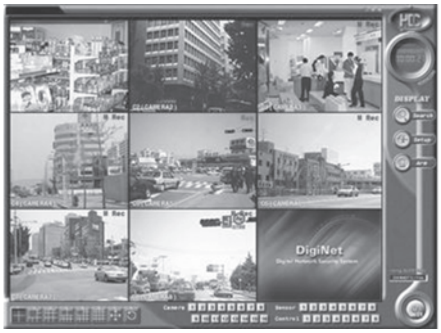
WARRANTY

Coverage period: 3 years parts and 1 year hard drive & labor

Part Number		Price per ea.
32-0678-00	Kodicom 4404 4-Channel System	5661.92
32-0677-00	Kodicom 4408 8-Channel System	5903.75
32-0676-00	Kodicom 4416 16-Channel System	6356.48

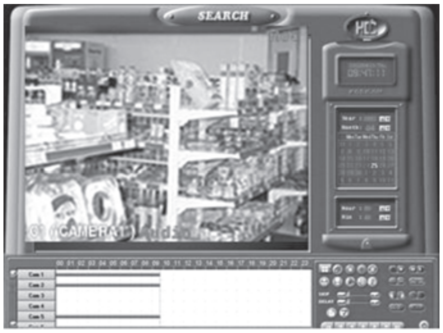
KODICOM 3416 DIGITAL VIDEO MANAGEMENT SYSTEM

- 16 channels
- Up to 480 images per second processing
- Motion/Alarm/Continuous recording allows for weeks of storage
- Simultaneous recording and playback
- Digital watermark
- Printer hardcopy/JPG/BMP to diskette
- Call (spot) monitor output
- 8 alarm inputs and outputs (16 Optional)
- LAN, WAN and dial-up connectivity (TCP/IP)
- Rack mount
- Integrated with PTZ control



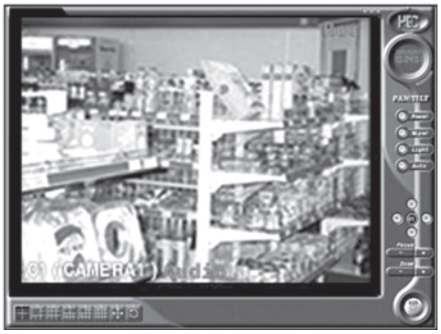
GUARD SCREEN

- Multi-picture display
- Self-programmable 1,4,6,9,10,13,16 screen split
- Endless and synchronized recording
- Real time image surveillance
- Partial / whole picture enlargement
- Remote surveillance over LAN, internet or modem
- User defined motion detection
- Easy to use and operate graphical user interface



SEARCH SCREEN

- Direct and immediate search by date, time, camera and time line
- Intelligent search functions: playback, fast forward, backward, skip, slow motion, pause, frame-by-frame, zoom, image quality and brightness control
- View, save or print images
- External backup on 3.5” floppy disk or CD-RW



PAN/TILT SCREEN

- Pan/Tilt/Zoom and focus control of up to 16 PTZ cameras (RS-422 RX Receiver option)
- Zoom in / out, focus, power, light control and auto settings
- Remote PTZ and focus control via PSTN, ISDN, Internet and modem
- Quick and easy selection and operation of any PTZ camera connected to DVR

VIDEO INPUT
- Number of video input channels: 16
- Video input 1 Vpp, 75 Ohm typical
- Connector BNC
- Compression type proprietary (Engine-K)
- Resolutions 160 x 120, 320 x 240, 640 x 480
- Max. display 480 images per sec and recording speed 80 – 60 images per second

VIDEO OUTPUT
- Main monitor VGA (1024 x 768)
- Connector (main monitor) DB-15 HD (SVGA)
- Call (spot) monitor 1 Vpp, 75 Ohm
- Connector (call monitor) RCA

AUDIO
- Recording and playback 1 channel (line or mic in, line out) – Optional 8 audio channels
- Connectors 1/8” mini phone jacks

ALARM INPUTS AND OUTPUTS
- Number of inputs: 8 (non isolated for dry contact sensors & optional 16 inputs)
- Number of outputs: 8 (isolated with common return & optional 16 outputs)
- Connectors screwless terminal block

CONNECTIVITY
- LAN/WAN 10/100 Ethernet card
- Connector (LAN/WAN) RJ-45
- Connector (dial-up) DB-9 or telephone jack RJ-12

HARDWARE
- Platform PC based: Windows 2000 Pro™ or 98™ 2nd Edition
- Hard disk 1 internal 120 GB hard disk (upgradeable to 6 hard disks)
- CDRW & 1.44 MB Floppy drive
- Memory: 256 MB RAM

ELECTRICAL
- Power source 115-120 VAC; 50—60Hz switchable, maximum 300W

MECHANICAL
- Mounting 4U rack mount chassis
- Finish / black case / steel

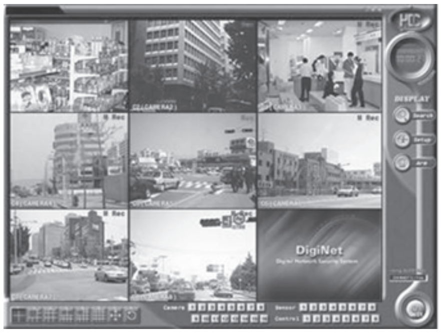
ENVIRONMENTAL
- Dimensions 483mm x 450mm x 177mm (W x D x H)
- Approx. weight 28.16kg (61.95 lb)
- Operating temperature 5° to 40°C, 41° to 104°F
- Operating humidity below 90% RH

WARRANTY
- Coverage period: 3 years parts and 1 year hard drive & labor

Part Number		Price per ea.
32-0675-00	Kodicom 3416 System	7992.53

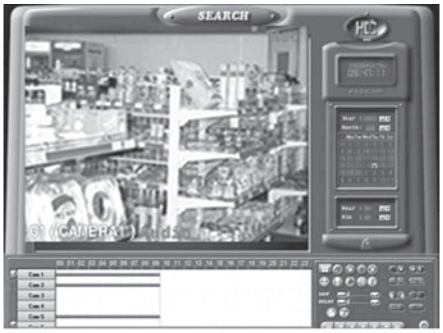
KODICOM 44216 DIGITAL VIDEO MANAGEMENT SYSTEM

- 16 channels
- Up to 240 images per second processing
- Motion/Alarm/Continuous recording allows for weeks of storage
- Simultaneous recording and playback
- Digital watermark
- Printer hardcopy/JPG/BMP to diskette
- Call (spot) monitor output
- 8 alarm inputs and outputs (16 Optional)
- LAN, WAN and dial-up connectivity (TCP/IP)
- Rack mount
- Integrated with PTZ control



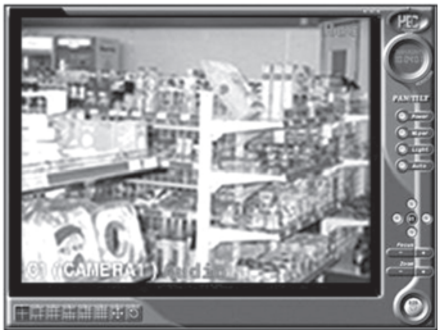
GUARD SCREEN

- Multi-picture display
- Self-programmable 1,4,6,9,10,13,16 screen split
- Endless and synchronized recording
- Real time image surveillance
- Partial / whole picture enlargement
- Remote surveillance over LAN, internet or modem
- User defined motion detection
- Easy to use and operate graphical user interface



SEARCH SCREEN

- Direct and immediate search by date, time, camera and time line
- Intelligent search functions: playback, fast forward, backward, skip, slow motion, pause, frame-by-frame, zoom, image quality and brightness control
- View, save or print images
- External backup on 3.5” floppy disk or CD-RW



PAN/TILT SCREEN

- Pan/Tilt/Zoom and focus control of up to 16 PTZ cameras (RS-422 RX Receiver option)
- Zoom in / out, focus, power, light control and auto settings
- Remote PTZ and focus control via PSTN, ISDN, Internet and modem
- Quick and easy selection and operation of any PTZ camera connected to DVR

VIDEO INPUT

- Number of video input channels: 16
- Video input 1 Vpp, 75 Ohm typical
- Connector BNC
- Compression type proprietary (Engine-K)
- Resolutions 160 x 120, 320 x 240, 640 x 480
- Max. display 240 images per sec & recording speed 160 - images per second

VIDEO OUTPUT

- Main monitor VGA (1024 x 768)
- Connector (main monitor) DB-15 HD (SVGA)
- Call (spot) monitor 1 Vpp, 75 Ohm
- Connector (call monitor) BNC

AUDIO

- Recording and playback 1 channel (line or mic in, line out) – Optional 8 audio channels
- Connectors 1/8” mini phone jacks

ALARM INPUTS AND OUTPUTS

- Number of inputs: 8 (non isolated for dry contact sensors & optional 16 inputs)
- Number of outputs: 8 (isolated with common return & optional 16 outputs)
- Connectors screwless terminal block

CONNECTIVITY

- LAN/WAN 10/100 Ethernet card
- Connector (LAN/WAN) RJ-45
- Connector (dial-up) DB-9 or telephone jack RJ-12

HARDWARE

- Platform PC based: Windows 2000 Pro™ or 98™ 2nd Edition
- Hard disk 1 internal 120 GB hard disk (upgradeable to 6 hard disks)
- CDRW & 1.44 MB Floppy drive
- Memory: 256 MB RAM

ELECTRICAL

- Power source 115-120 VAC; 50—60Hz switchable, maximum 300W

MECHANICAL

- Mounting 4U rack mount chassis
- Finish / black case / steel

ENVIRONMENTAL

- Dimensions 483mm x 450mm x 177mm (W x D x H)
- Approx. weight 28.16kg (61.95 lb)
- Operating temperature 5° to 40°C, 41° to 104°F
- Operating humidity below 90% RH

WARRANTY

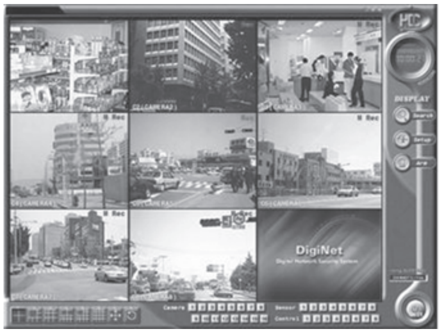
- Coverage period: 3 years parts and 1 year hard drive & labor

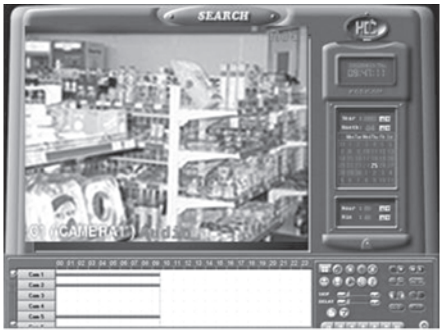
Part Number		Price per ea.
32-0674-00	Kodicom 44216 Digital Video Management System	8468.50

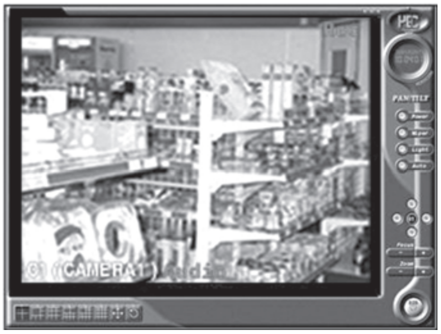
KODICOM 34216 DIGITAL VIDEO RECORDING SYSTEM

NEW

- 16 channels
- Up to 480 images per second processing
- Continuous recording allows weeks of storage
- Simultaneous recording and playback
- Digital watermark
- Printer hardcopy/JPEG/BMP to diskette
- Call (spot) monitor output
- LAN, WAN and dial-up connectivity (via TCP/IP)
- Compact design
- Web security (optional)







GUARD SCREEN

- Multi-picture display
- Self-programmable 1,4,6,9,10,13,16 screen split
- Endless and synchronized recording
- Real time image surveillance
- Partial / whole picture enlargement
- Remote surveillance over LAN, internet or modem
- User defined motion detection
- Easy to use and operate graphical user interface

SEARCH SCREEN

- Direct and immediate search by date, time, camera and time line
- Intelligent search functions: playback, fast forward, backward, skip, slow motion, pause, frame-by-frame, zoom, image quality and brightness control
- View, save or print images
- External backup on 3.5” floppy disk or CD-RW

PAN/TILT SCREEN

- Pan/Tilt/Zoom and focus control of up to 16 PTZ cameras (RS-422 RX Receiver option)
- Zoom in / out, focus, power, light control and auto settings
- Remote PTZ and focus control via PSTN, ISDN, Internet and modem
- Quick and easy selection and operation of any PTZ camera connected to DVR

VIDEO INPUT
- 16 video input channels
- Video input 1VPP, 75 OHM typical
- Connector for BNC
- Proprietary compression (engine-K)
- Resolutions 160x120, 320x240, 640x480
- Maximum display 16 cameras 480 fps
- Maximum recording 8 cameras (160x120 and 320x240=240fps) (640x480=120fps)
- Maximum recording 9-16 cameras (160x120 and 320x240=210fps) (640x480=100fps)

VIDEO OUTPUT
- Main monitor VGA (1024x768)
- Connector type DB-15 HD (SVGA)
- Call (spot) monitor 1Vpp, 75 OHM
- Connector (call monitor) RCA

AUDIO
- Recording and playback 1 channel (line or mic and, line out)
- Connectors are 1/8” mini phone jacks
- Alarm Inputs and Outputs
- Number of inputs & outputs: 8 (non isolated for dry contact sensors & optional 16 inputs)
- Connectors is a screwless, terminal block

CONNECTIVITY
- LAN / WAN 10/100 Ethernet card
- Connector (LAN/WAN) RJ-45
- Connector (dial-up) DB-9 or telephone jack RJ-12

HARDWARE
- PC based, windows 98™ and windows 2000™ optional
- Internal 120 GB hard disk drive (upgradeable to 3 hard disks)
- CDRW & 1.44 MB floppy drive
- Pentium IV at 1.8 GHZ, 128 MB RAM

ELECTRICAL
- Power source 115-120 VAC; 50-60 HZ switchable, maximum 300W

MECHANICAL
- Rack mount design
- Black steel case

ENVIRONMENTAL
- Dimensions are 440mm wide x 452 mm deep x 175 mm high or (17.32”x17.8 “x6.89”)
- Approx. weight is 40lbs or 18.18 kg
- Operating Temperature is 5° to 40°C, 41° to 104°F
- Operating Humidity below 90% RH

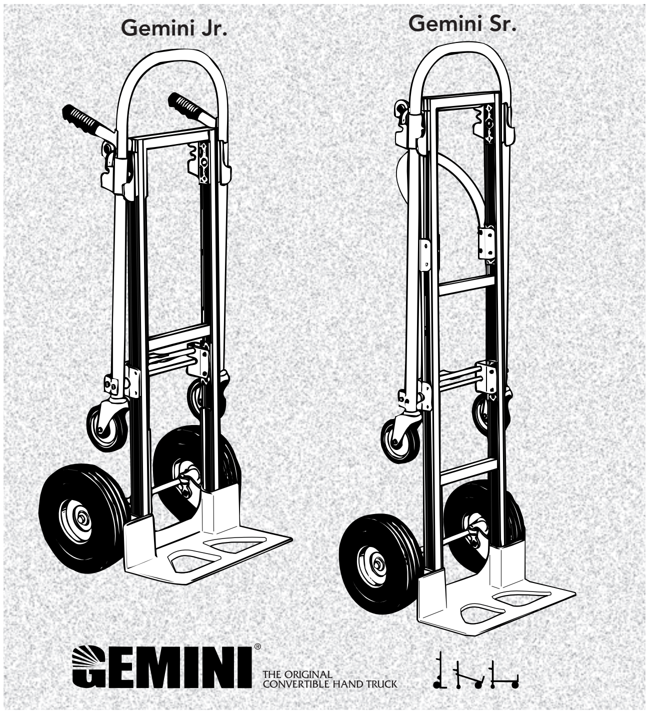
WARRANTY
- Coverage provided is 3 years for parts and 1 year for hard drive & labor

VIDEO STANDARDS
- NTSC/EIA is standard, while PAL CCIR is available upon request Kodicom
- Part 34216 Rack Mount Chassis

Part Number		Price per ea.
32-0682-00	Kodicom 34216 Digital Video Recording System	10405.01

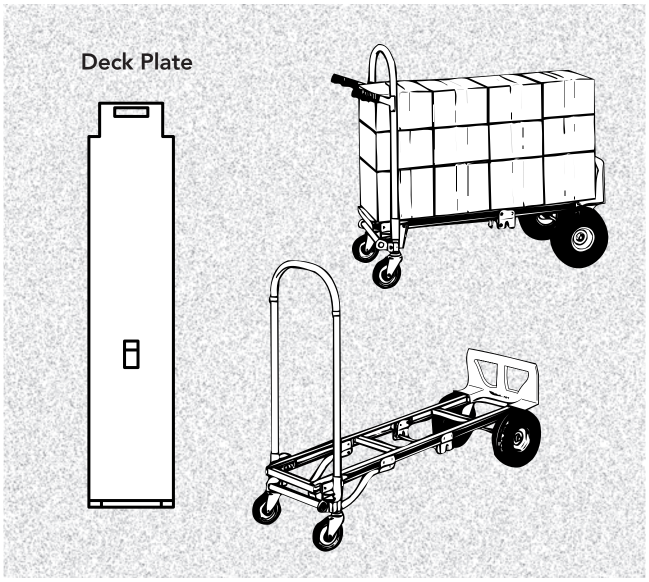
HAND TRUCKS

GEMINI JR. & SR. HAND TRUCKS



Specifications	Gemini Jr. Cat. No HTGK 1834	Gemini Sr. Cat. No. HTGK 9584
Overall width	21"	21"
Frame width	12"	12"
Height, as hand truck	51"	61"
Height, as platform truck	40"	45-1/8"
Platform bed length	38"	51"
Capacity, as hand truck	500 lbs.	500 lbs.
Capacity, as platform truck	1000 lbs.	1000 lbs.
Platform height from floor approx.	10-1/2"	10-1/2"
Hand truck wheels (full pneumatic or care free)	10 x 3.50	10 x 3.50
Casters – swivel	5" x 1-1/4"	5" x 1-1/4"
Nose casting	18" x 7-1/2"	18" x 7-1/2"
Shipping weight	44 lbs.	45 lbs.

- Lightweight, high strength aluminum construction, properly balanced to assure easier wheeling and positive load control.
- Big 10" full pneumatic tires provide smooth, easy rolling over all surfaces, indoor and outdoor
- 4 wheel truck for those large, bulky loads; easily converts to a 2 wheel cart for smaller stops
- In down position, an extra platform is provided for increased load capacity
- Extra wide, cast aluminum nose plate
- All parts are replaceable, no welding
- Heavy duty aluminum deck plate is a great addition so smaller packages don't fall through when the truck is expanded to 4 wheel



Part Number		Price per ea.
33-1000-00*	Gemini Jr. with Full Pneumatic Tire	389.95
33-1001-00	Gemini Sr. with Full Pneumatic Tire	419.95
33-1281-00	Gemini Sr. with Care Free Tire	419.95
33-1007-00**	Deck Plate for Gemini Jr.	89.75
33-1008-00	Deck Plate for Gemini Sr.	89.75
33-1195-00	"New Style" Deck Plate for Gemini Jr. (43-1/2" Long for Trucks after 3/98)	88.50
33-1196-00**	"New Style" Deck Plate for Gemini Sr. (56" Long for Trucks After 3/98)	89.75

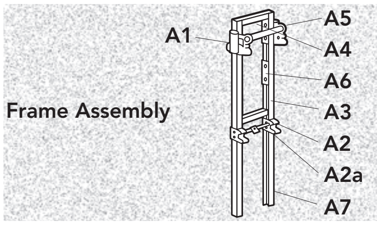
SHIPPED UPS OVERSIZE

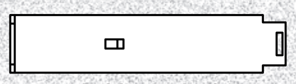
** This item is considered oversize and can only be shipped UPS oversize.

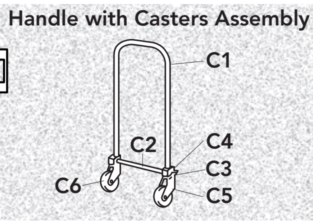
* Stair Climbers can not be used on Gemini Jr.

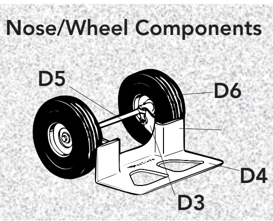
GEMINI® THE ORIGINAL CONVERTIBLE HAND TRUCK

GEMINI JR. & SR. HAND TRUCK REPLACEMENT PARTS





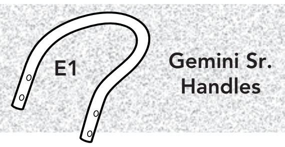


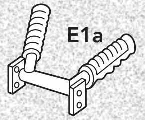


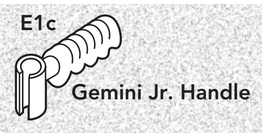
Item No.	Description	Gemini Sr. Part Number	Gemini Sr. Ref. #	Gemini Sr. Price per ea.	Gemini Jr. Part Number	Gemini Jr. Ref. #	Gemini Jr. Price per ea.
—	Frame Assy. Complete (A1 Thru A6)	33-1080-00	301150	213.80	33-1097-00	301151	198.85
A1	Pivot Socket & Locknut	33-1081-00	302015	14.60	33-1081-00	302015	14.60
A2	Handle Latch & Lock Assy.	33-1082-00	302016	54.10	33-1082-00	302016	54.10
A2a	Lock Pedal Only	33-1083-00	302043	2.25	33-1083-00	302043	2.25
A3	Frame Only With Cross Braces	33-1084-00	302055	70.20	33-1098-00	302059	57.80
A4	Upper Handle Assy. With Brackets	33-1085-00	302019	32.20	33-1085-00	302019	32.20
—	Upper Handle Cross Tube Only	33-1086-00	302060	6.40	33-1086-00	302060	6.40
A5	Filler Block-Pivot/Frame (2 Required)	33-1087-00	302021	6.05	33-1087-00	302021	6.05
A6	Frame Spacer (4 Reqd. On Jr.,6 On Sr.)	33-1088-00	302090	2.25	33-1088-00	302090	2.25
A7	Frame Reinforcement - Lower	33-1050-00	302001	3.95	33-1050-00	302001	3.95
—	Handle With Casters Assy. Complete	33-1089-00	301055	126.20	33-1099-00	301089	158.20
B	Detachable Deck Plate	33-1008-00	302185	89.75	33-1007-00**	302188	89.75
C1	Handle Only	33-1090-00**	301056	39.65	N.A.	N.A.	N.A.
C1a	Handle With 2 Single Grips	N.A.	N.A.	N.A.	33-1100-00	301059	74.15
—	Gemini Jr. Handle Assy.	N.A.	N.A.	N.A.	33-1102-00	301162	19.95
C2	Spreader Rod & Brackets Only	33-1091-00	301058	16.45	33-1091-00	301058	16.45
—	Snap Ring for Spreader Rod & Bracket	33-1252-00	221008	.21	33-1252-00	221008	.21
C3	Load Support Bolt & Locknut (2 Reqd.)	33-1092-00	301060	6.30	33-1092-00	301060	6.30
C4	Load Support Bolt Spacer (2 Reqd.)	33-1093-00	301061	4.50	33-1093-00	301061	4.50
C5	5” Caster Complete (2 Required)	33-1073-00	130010	32.95	33-1073-00	130010	32.95
—	5” Caster Brake	33-1228-00	51010	7.75	33-1228-00	51010	7.75
—	Right Hand Wheel Bracket Only	33-1030-00	210100	6.40	33-1030-00	210100	6.40
D3	Left Hand Wheel Bracket Only	33-1031-00	210101	6.20	33-1031-00	210101	6.20
D4	‘U’ Aluminum Nose Plate	33-1022-00	300201	46.50	33-1022-00	300201	46.50
—	‘U’ Magnesium Nose Plate, Die Cast	33-1108-00	300199	59.70	33-1108-00	300199	59.70
D5	Axle Kit #4025	33-1042-00	224025	8.55	33-1042-00	224025	8.55
D6	1025 Semi-Pneumatic Wheel Solid Tire	33-1034-00	111025	30.80	33-1034-00	111025	30.80
—	1030 Wheel, Puncture Resistant	33-1109-00	101030	31.15	33-1109-00	101030	31.15
—	1035 Wheel, Full Pneumatic	33-1035-00	121035	36.00	33-1035-00	121035	36.00
—	1010 Care Free Tire	33-1110-00	131010	65.75	33-1110-00	131010	65.75

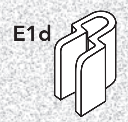
SHIPPED UPS OVERSIZE

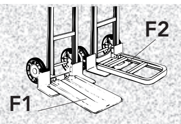
** This item is considered oversize and can only be shipped UPS oversize.







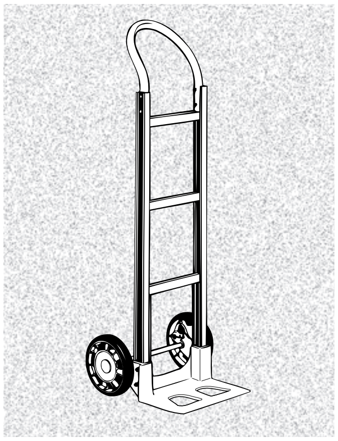




Item No.	Description	Gemini Sr. Part Number	Gemini Sr. Ref. #	Gemini Sr. Price per ea.	Gemini Jr. Part Number	Gemini Jr. Ref. #	Gemini Jr. Price per ea.
E1	‘U’ Style Handle	33-1013-00	301000	16.10	N.A.	N.A.	N.A.
E1a	Double Handle With Grips	33-1078-00	301072	39.45	N.A.	N.A.	N.A.
—	Red Plastic Handle Grip Only	33-1019-00	301070	3.55	33-1019-00	301070	3.55
E1c	Single Handle With Grip	N.A.	N.A.	N.A.	33-1102-00	301162	19.95
E1d	Handle Mounting Bracket	33-1105-00	302062	5.30	N.A.	N.A.	N.A.
—	Nut for Handle Stop	33-1254-00	80674	.19	33-1254-00	80674	N.A.
—	Handle Stop	33-1251-00	302058	.95	N.A.	N.A.	N.A.
—	Screw for Handle Stop	33-1253-00	80167	.29	33-1253-00	80167	.29
—	Handle Bolt Pack (4) 1/4” X 1-3/4” Bolts	33-1106-00	80112	1.35	N.A.	N.A.	N.A.
—	Nuts & Lockwashers (4) 1/4”	33-1107-00	301033	.86	N.A.	N.A.	N.A.
—	C1 Stair Climbers	33-1047-00	86027	37.15	N.A.	N.A.	N.A.
—	C5 Stair Climbers	33-1048-00	86006	37.45	N.A.	N.A.	N.A.
F1	24” Folding Nose (Plate)	33-1055-00	301019	59.10	33-1055-00	301019	59.10
F2	20” Folding Nose (Channel)	33-1056-00	301025	48.55	33-1056-00	301025	48.55
F2	30” Folding Nose (Channel)	33-1057-00	301026	51.75	33-1057-00	301026	51.75

48" UTILITY HAND TRUCK

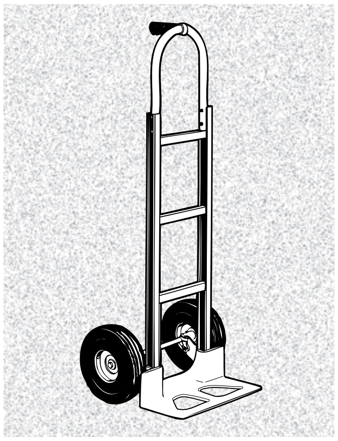
- Handles big loads easily
- Straight back frame
- 'U' Handle
- 14" x 7-1/2" nose plate
- 8" x 1-5/8" moldon rubber tires
- Load Capacity 500 lbs.
- Weight 18 lbs.
- Model 111-A-815



Part Number		Price per ea.
33-1061-00	48" Utility Hand Truck	152.15

50" UTILITY HAND TRUCK

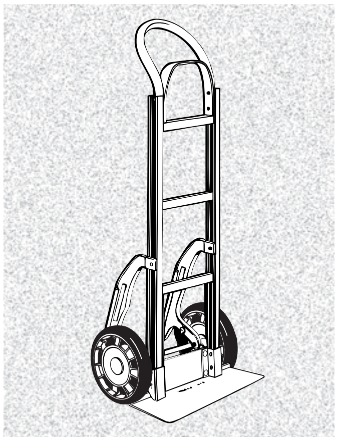
- Beverage handlers favorite hand truck
- Straight back frame
- Single grip handle
- 18" x 7-1/2" nose plate
- 10" x 3-1/2" pneumatic tires
- Load Capacity 500 lbs.
- Weight 23 lbs.
- Model 117-U-1035



Part Number		Price per ea.
33-1064-00	50" Utility Hand Truck	199.55

48" ALL PURPOSE HAND TRUCK

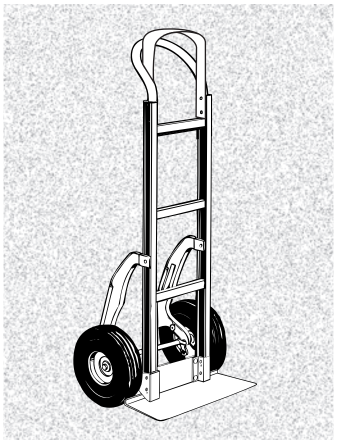
- Route man’s favorite hand truck
- Straight back frame
- “U” extension handle
- 14" x 7-1/2” nose plate
- 8" x 1-5/8" moldon rubber tires
- Load Capacity 500 lbs.
- Weight 26 lbs.
- Includes stair climbers
- Model 112-A-815-C5



Part Number		Price per ea.
33-1065-00	48" All Purpose Hand Truck	184.35

52” DELUXE ALL PURPOSE HAND TRUCK

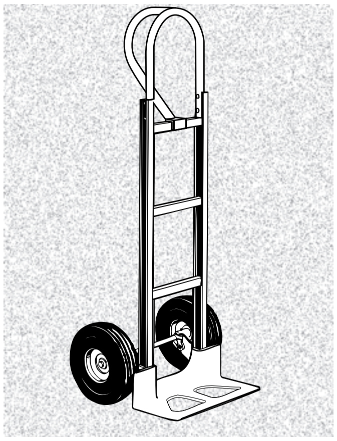
- Extra high 52” straight back frame allows stacking of extra supplies
- ‘U’ shaped handle
- 14” x 7-1/2” solid aluminum nose plate
- 10” x 3-1/2” pneumatic tires
- Includes C5 stair climbers
- Load Capacity 500 lbs.
- Weight 29 lbs.
- Model 112-D-1035-C5-52



Part Number		Price per ea.
33-1165-00	52" Deluxe All Purpose Hand Truck	243.16

52” DELUXE TALL BOY HAND TRUCK

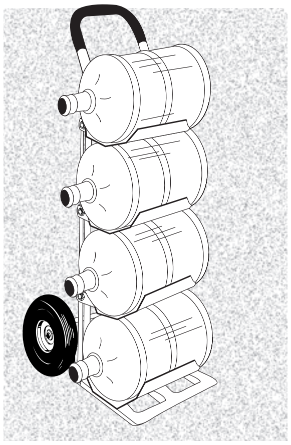
- Extra High 52” straight back frame allows stacking of extra supplies
- ‘Vertical Loop’ handle
- 18” x 7-1/2” aluminum nose plate
- 10” x 3-1/2” pneumatic tires
- Load Capacity 500 lbs.
- Weight 28 lbs.
- Model 115-U-1035



Part Number		Price per ea.
33-1076-00	52"Tall Boy Hand Truck	215.00

BOTTLED WATER HAND TRUCK

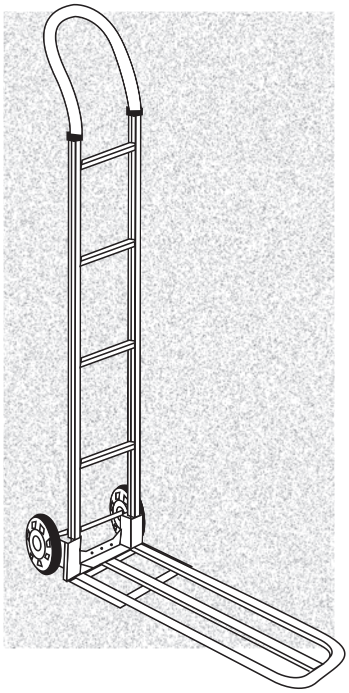
- Allows you to easily transport four 5 gallon water bottles
- Comes with 4 folding, self-storing trays that permit the hand truck to be used for case goods, coolers and combinations of bottles and case goods
- With 10” pneumatic tires
- Comfort foam padding on a squared ‘U’ handle
- Extra large type ‘H’ nose plate
- Load Capacity 500 lbs.
- Weight 28 lbs.
- Bottles Not Included
- Model 124-H-1035-BW



Part Number		Price per ea.
33-1229-00	Bottled Water Hand Truck	365.25

SNACK FOOD TRUCK

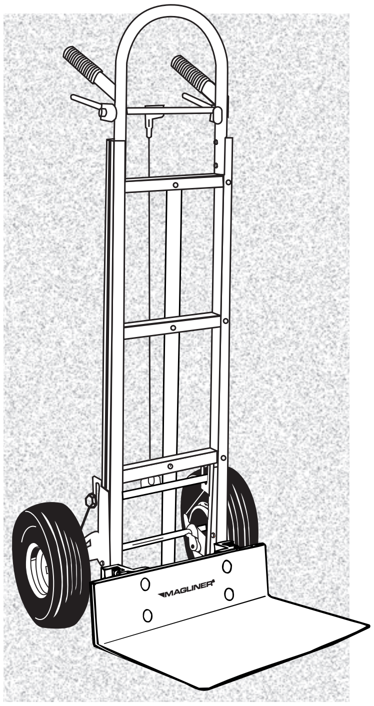
- Great for cases of chips, pretzels, etc.
- 44” long nose extension increases the number of cases you can load
- Overall width: 17”
- Overall Height: 61.5”
- Load capacity with nose extended: 80 lbs
- Load capacity with nose folded: 500 lbs
- Weight: 28 lbs
- Model 811-A-815-F4



Part Number		Price per ea.
33-1224-00	Magliner Snack Food Truck	186.10

55” HAND TRUCK WITH DRUM BRAKE

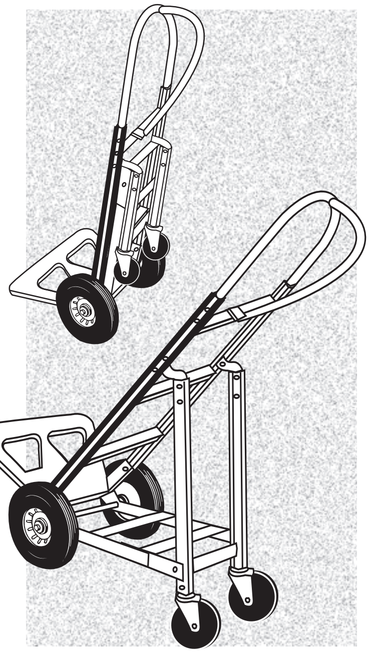
- Automotive style drum and pad brake system for superior braking
- Enclosed drums keep pads free of dirt, debris and grease
- Brakes can be easily activated with either hand
- 10” x 3.25” pneumatic tires
- Aluminum nose plate 16” x 12”
- Load capacity: 500 lbs.
- Model B30-D-1040



Part Number		Price per ea.
33-1221-00	Magliner 55” Hand Truck with Drum Brake	478.60

52” HAND TRUCK WITH 4th WHEEL ATTACHMENT

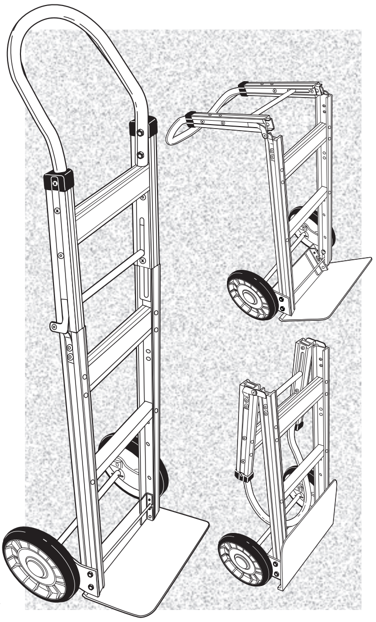
- Great for small equipment, supplies, etc.
- Large type H nose plate - cast magnesium, 14” wide, 12” deep, recessed heel
- **Retractable 4th Wheel -** Retractable 5” caster wheels support load in incline position. Folds flush against frame when not in use.
- Extra high 52”straight back frame
- Vertical loop handle
- 10” X 3.5” pneumatic tires
- Load capacity 500 lbs
- Model 115-H-1010-WA



Part Number		
33-1257-00	Magliner 52” Hand Truck With 4th Wheel Attachment	355.00
33-1357-00	Double Loop Handle extension (Extends Cart Height to 60”)	23.70

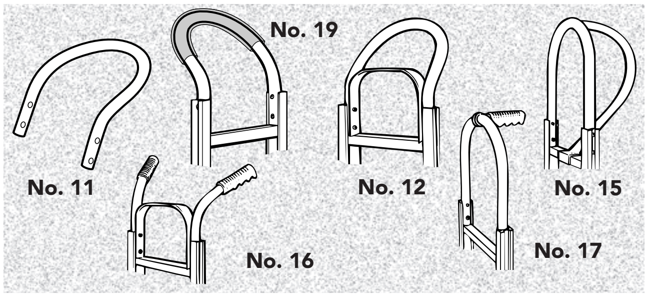
FOLDING HANDTRUCK

- Lightweight aluminum reduces weight and provides maximum load capacity
- High-density molded side rail caps protect product
- Extended dimensions: 49” x 18.5” x 16”
- Folded dimensions: 28.5” x 18.5” x 10”
- Heavy duty extrusion rails and cross bars provide extra support and strength
- High performance 815 moldon rubber wheels provide the easiest rolling with minimum effort when pushing a loaded hand truck
- Suitable for vending routes, technicians, warehouse, office, and home
- Fits great in vans or the trunk of a car
- Capacity: 500 lbs.
- Model F11-C-815-LFN



Part Number		Price per ea.
33-1232-00	Magliner Folding Handtruck	295.00

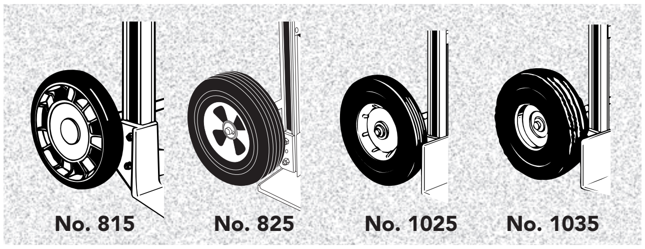
MAGLINER® HAND TRUCK – HANDLES



Part Number		Ref. No.	Price per ea.
33-1013-00	No. 11 Standard "U"	301000	16.10
33-1014-00	No. 19 Standard "U" with plastic sleeve	301008	24.60
33-1015-00	No. 12 Standard "U" w/"U" brace	30100	22.50
33-1016-00	No. 15 Vertical Loop fits frame No. 1 only	301002	36.35
33-1017-00	No. 16 Double Grip Complete w/ plastic grips & "U" brace	86031	24.95
33-1017-L	Left Handle with Grip for No. 16 Handle	40003	9.70
33-1017-R	Right Handle with Grip for No. 16 Handle	40002	9.70
33-1019-00	No. 5 Plastic Handle Grip only for No. 16 & 17 Handles	301070	3.55
33-1020-00	No. 17 Single Grip, high loop w/ plastic grip	301004	24.65

Note: Truck heights with handles 11, 19, 12 & 16 are 48" high.
Truck heights with handles 15 & 17 are 52" high.

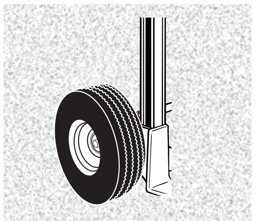
MAGLINER® HAND TRUCK – WHEELS



Part Number		Ref. No.	Price per ea.
33-1032-00	No. 815 – 8"x 1-5/8" w/ball bearings	10815	20.95
33-1033-00	No. 825 – 8"x 2-1/2" w/ball bearings	11825	30.20
33-1034-00	No. 1025 – 10 x 2-1/2" w/ball bearings Solid Tire, Puncture Resistant	111025	30.80
33-1035-00	No. 1035 – 10"x 3-1/2" w/ball bearings Full Pneumatic	121035	36.00

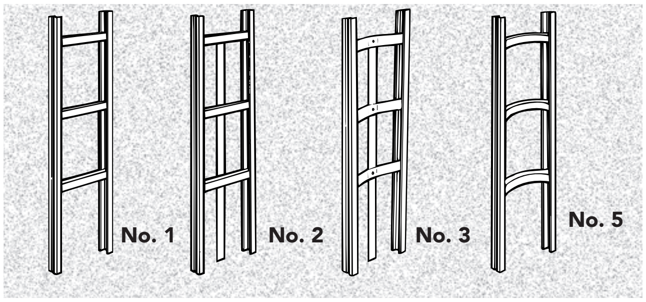
MAGLINER® "CARE FREE" TIRE

- Maintenance free, will NEVER go flat!
- Micro-cellular polyurethane structure gives it an 'air cushioned' ride duplicating the feel and weight of pneumatic tires and the reliability of a solid tire.
- Improves productivity by eliminating tire related down time.
- Non marking 10" tire


No. 1010

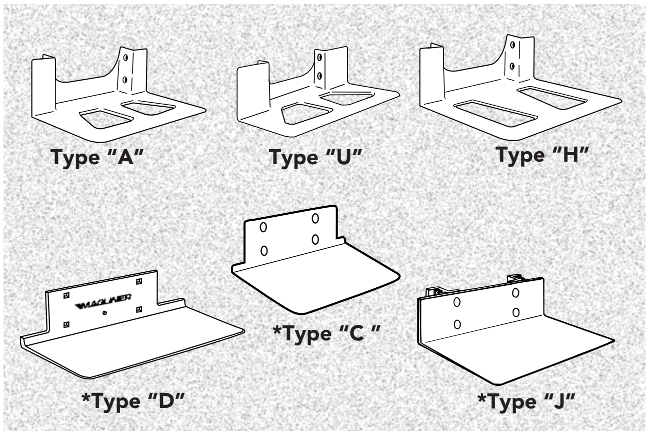
Part Number		Ref. No.	Price per ea.
33-1110-00	"Care Free" Tire 10" x 3-1/2" w/ball bearings	131010	65.75

MAGLINER® HAND TRUCK – FRAMES



Part Number		Ref. No.	Price per ea.
33-1009-00	No. 1 Straight Back	300001	45.50
33-1010-00	No. 2 Lattice Back	300002	60.30
33-1011-00	No. 3 Curved back w/vertical strap	300003	78.75
33-1012-00	No. 5 Curved back	300021	73.75

MAGLINER® HAND TRUCK – NOSE PLATES



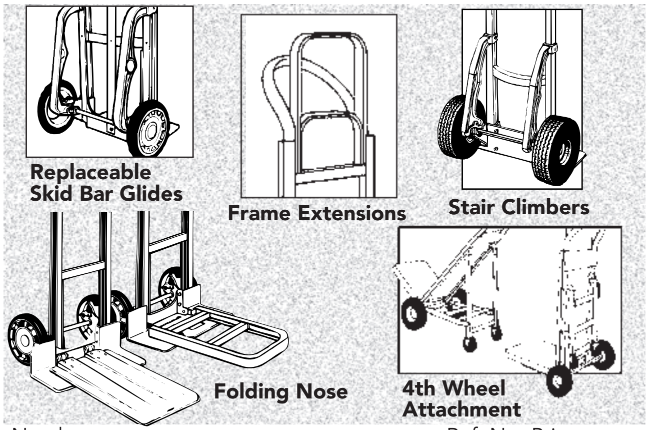
Part Number		Ref. No.	Price per ea.
33-1021-00	Type A – Magnesium	300200	35.30
33-1022-00	Type U – Magnesium	300201	46.50
33-1023-00*	Type C – Aluminum	300244	37.00
33-1024-00*	Type D – Aluminum	300245	43.10
33-1025-00*	Type J – Aluminum	300203	57.85
33-1028-00	Type H – Magnesium	300197	66.95
33-1029-00	Nose Plate Mounting Bracket Kit reversible for recessed flush mounting. For "C", "D" & "J" nose plate types only. Contains R & L brackets, nuts & bolts	86029	10.00
33-1030-00	Right hand axle and wheel mounting bracket. Used with all nose plates. Magnesium construction.	210100	6.40
33-1031-00	Left hand axle and wheel mounting bracket. Used with all nose plates. Magnesium construction.	210101	6.20
33-1248-00	Replacement cross brace kit for recessed folding nose plate	3024262	12.05

* Types C, D and J Require Mounting Bracket Kit, 33-1029-00

MAGLINER® Route Distribution Solutions

HAND TRUCK REPLACEMENT PARTS

HAND TRUCKS – ACCESSORIES



Part Number		Ref. No.	Price per ea.
33-1047-00	No. C1 Stair Climber Set, includes1 right & 1 left side to a set plus mounting hardware Magnesium Construction	86027	37.15
33-1048-00	No. C5 Stair Climber Set, includes 1 right & 1 left side to a set plus mounting hardware Magnesium Construction	86006	37.45
33-1049-00	Wear Strip for No. C5 Stair Climber	302115	4.05
33-1050-00	Side channel reinforcement for frames.Two (2) required	302001	3.95
33-1051-00	W4 Retractable 4th wheel attachment	301050	170.85
33-1052-00	No. 50 Hi "U" frame extension - 52"	40008	8.95
33-1242-00	No. 55 Hi "U" frame extension - 55"	40050	
33-1053-00	No. 60 Hi "U" frame extension - 60"	40010	20.40
33-1054-00	No. 68 Hi "U" frame extension - 68"	40011	24.65
33-1055-00	24" plate type folding nose extension	301019	59.10
33-1056-00	F2 20" extruded channel folding	301025	48.55
33-1057-00	F3 30" extruded channel folding nose extension*	301026	51.75
33-1070-00	44" Extruded channel folding nose extension	302147	87.15
33-1238-00	Caster for 4th wheel attachment	130056	16.20
33-1240-00	Hand Held Computer Accessory Bag	302680	21.85

- Will not fit J nose plates.

HARDWARE FASTENERS

Part Number		Ref. No.	Price per ea.
33-1044-00	No. 1 Fastener Pack for all models except with No. 815 wheels. Contains handle & nose bolts, nuts, axle cotter keys, roll pins & washers	301046	3.25
33-1045-00	No. 2 Fastener Pack for models with No. 815 wheels only. Contents same as pack No. 1 except with hub caps included	301047	4.75

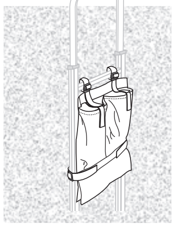
AXLE KITS

Part Number		Ref. No.	Price per ea.
33-1042-00	No. 4025 Axle Kit for all wheels except No. 815. Includes axle, cotter & roll pins	224025	8.55
33-1043-00	No. 4496 Axle Kit for No. 815 wheels only. Includes axle, cotter & roll pins	224996	9.00

WHEEL COMPONENTS

Part Number		Ref. No.	Price per ea.
33-1038-00	Wheel Ball Bearings for all wheels except No. 1045 wheel	18050	1.85
33-1263-00	Ball Stud	302169	2.15

MAGLINER ACCESSORY BAG



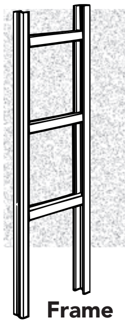
- Great for supplies such as glass cleaner, towels, tools, etc.
- Attaches securely to back of hand truck
- Overall size: 16.5" L X 12" W
- 2 top pockets, 10" L X 6" W, sealed with Velcro
- 1 tool pocket 12" W X 3.5" D

Part Number		Price per ea.
33-1211-00	Magliner Accessory Bag	34.65

CUSTOM DESIGN YOUR OWN MAGLINER® HAND TRUCK

- Custom build your hand truck to your personal needs
- Select the exact components you want to match your load handling requirements

Choose the frame, handle, nose, wheels and optional accessories that best fit your needs. Then follow the illustrated example below to determine the hand truck . That's all there is to it! Your new hand truck or trucks will arrive exactly as you've specified them.


Frame

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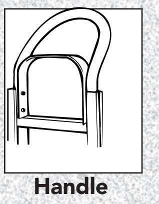
Handle

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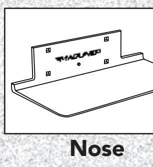
Nose

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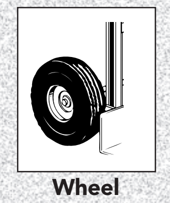
Wheel

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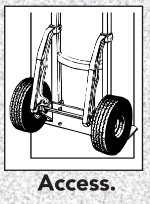
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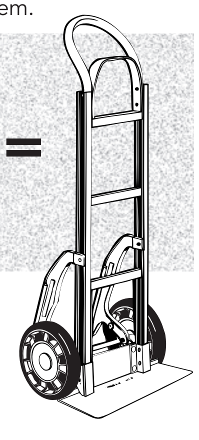


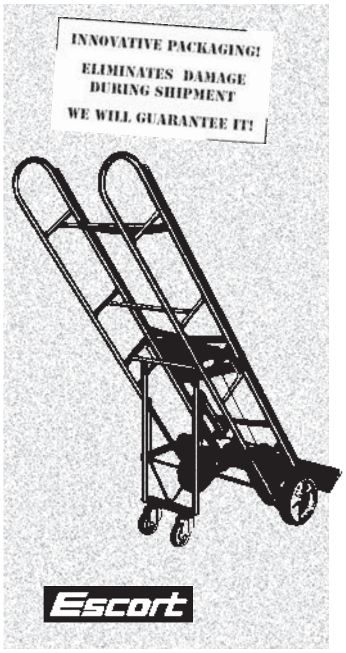
Miscellaneous items needed to complete your custom hand truck.:

1. Fastener pack, either #1 (33-1044-00) or #2 (33-1045-00)
2. Axle kit, either #4025 (33-1042-00) or #4496 (33-1043-00)
3. Mounting bracket for all nose plates, right hand axle and wheel (33-1030-00)
4. Mounting bracket for all nose plates, left hand axle and wheel (33-1031-00)
5. Mounting bracket for nose plate, only if "C", "D", or "J" nose plate is ordered (33-1029-00)
6. Side channel reinforcement for frames. Two required (33-1050-00)

HAND TRUCKS

SRT-M SERIES HAND TRUCKS

- The all-steel SRT-M series trucks will take the toughest punishment and handle the heaviest loads with ease. They come with advanced features such as the Ratchet Strap Tightener with automatic recoil and the patented Roller Bearing Crawlers
- The SRT-M series is a steel truck with a load capacity of 1,200 lbs.
- Retractable 3-1/2" rear swivel caster assembly to support the load during operation
- 8" x 2" Front roller bearing rubber tires
- Each truck has one 3-ply, 2 piece 14' strap
- Padded protective felt helps insure your equipment will not get scratched during transport


INNOVATIVE PACKAGING!
ELIMINATES DAMAGE DURING SHIPMENT
WE WILL GUARANTEE IT!
Escort

Part Number	Description	Height	Weight	Price per ea.
33-0003-00	SRT-M-60	60”	81 lbs.	415.50
33-0000-00	SRT-M-66	66”	82 lbs.	422.22
33-0004-00	SRT-M-72	72”	85 lbs.	428.94

	Parts and Accessories	Price per ea.
33-1002-00	3-1/2” Swivel caster for SRT-M series trucks	15.95
33-1236-00	8” Wheel for SRT-m Series made after 9/97	26.55
33-1237-00	10” x 2-1/2” x 1” wheel for Vender Series	50.50
33-1203-00	10" x 2" Rear wheel for Vender series trucks	53.50
33-1063-00	Ratchet assy., 20-1/4" complete recoil w/o dog	40.20
33-1192-00	R-I-S Ratchet Assy. w/o dog	39.80
33-1068-00	Complete 14' two piece strap for all trucks	25.50
33-1113-00	SRT-M-72 Rubber and Felt Face Padding, set of 2 (For Trucks Manufactured Prior to 1991)	20.60
33-1117-00	SRT-M-72 Snaplok Vinyl & Felt Set (For Trucks Manufactured in 1991 and Later)	27.45
33-1122-00	Vender 78 Rubber and Felt Face Padding, set of 2	21.95
33-1079-00	5” x 2” Phenolic Wheels for Vender series trucks	17.45
33-1179-00	SRT-M-72 Complete Aluminum Crawler	28.80

78” DUTRO "BRUTE” HAND TRUCK

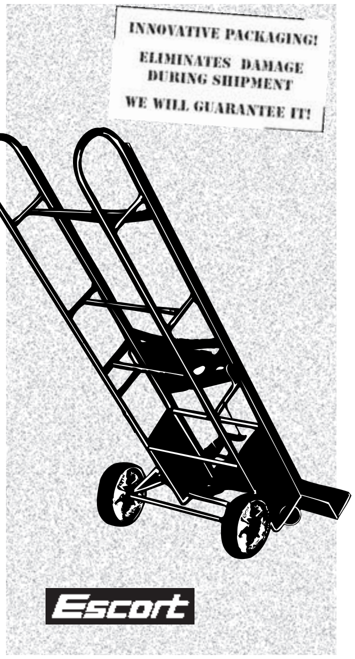
- Great for moving big heavy Can Drink machines
- 2 web belts with positive holding offset belt tightener
- Vertical frame is covered with a durable soft vinyl to protect your machine from scratches
- 1600 lb. load capacity

INNOVATIVE PACKAGING!
ELIMINATES DAMAGE DURING SHIPMENT
WE WILL GUARANTEE IT!
Dutro COMPANY

Part Number		Price per ea.
33-1205-00	78" Dutro “Brute” without Safety Brake	504.90
33-1205-01	78” Dutro “Brute” with Safety Brake	585.00

VENDER SERIES HAND TRUCKS

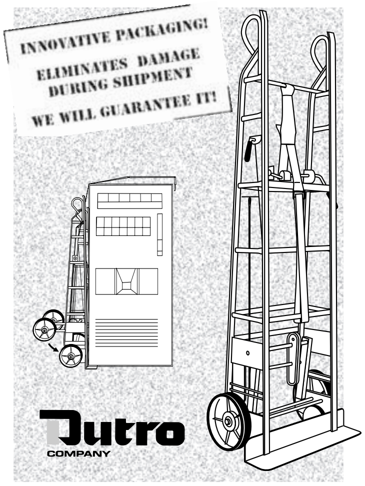
- The Vender series is an all-steel hand truck uniquely designed to handle the largest machines
- Equipped with a retractable wheel assembly with large 10" x 2" rear wheels that supports the load and makes going over bumps and rough terrain much safer and easier
- 5" x 2" Front roller bearing rubber tires
- The Vender series has a load capacity of 1,750 lbs.
- Equipped with two 3-ply, 2 piece 14' strap with automatic strap recoil
- Padded protective felt helps insure your equipment will not get scratched during transport


INNOVATIVE PACKAGING!
ELIMINATES DAMAGE DURING SHIPMENT
WE WILL GUARANTEE IT!
Escort

Part Number	Description	Height	Weight	Price per ea.
33-0005-00	Vender 72	72”	116 lbs.	575.66
33-0002-00	Vender 78	78”	118 lbs.	581.26
33-1120-00	Vender 84	84”	122 lbs.	587.98

72” DUTRO “BRAWNY BRUTE” HAND TRUCK

- Great for moving big heavy Can Drink machines
- “L-Shaped” ratchet arm makes leveraging large loads easy. Grabs the top front of the machine and pulls back
- Large rear wheels allow easy travel over rough terrain
- Safety brake allows you to rest load on incline
- Vertical frame is covered with a durable soft vinyl to protect your machine from scratches
- 1600 lb. load capacity


INNOVATIVE PACKAGING!
ELIMINATES DAMAGE DURING SHIPMENT
WE WILL GUARANTEE IT!
Dutro COMPANY

Part Number		Price per ea.
33-1167-00	72" Dutro “Brawny Brute” Hand Truck	545.00

Parts and Accessories

Part Number		Price per ea.
33-1193-00	5" Wheel for "Brawny Brute"	17.49
33-1194-00	10" Wheel for "Brawny Brute"	47.90
33-1167-01	Overhead Swing Arm with Strap	65.20
33-1199-00	Upright Rubber Bumper	8.70
33-1200-00	Cross Rubber Bumper	3.80
33-1243-00	Ratchet Gear	9.60
33-1214-00	Small Wheel Axle	8.70
33-1279-00	Strap for Offset Handle	15.40
33-1272-00	Large Wheel Assembly	65.85

LECTRO TRUCK STAIR CLIMBING SYSTEM

This item is drop shipped only.

Model Shown 33-1189-00

Lectro Truck is a total stair climbing, lifting and moving system.

By combining a battery powered high torque motor and an aircraft hardened steel screw drive, the patented Lectro Truck lifts and lowers loads relative to the wheels. This innovative material handling device enables one person – with literally the push of a button – to lift, control and safely move loads weighing up to 1500 pounds. Lectro Truck easily moves vending machines, safes, water heaters, boilers and other heavy bulky loads from trucks and docks or up and down stairs. Lectro Truck is also as portable as a standard hand truck.

Lectro Truck's Superior Features:

- Safety overload circuit breakers
- All-weather, marine safety switches
- Protective, anti-slip rubber pads on toe plate guard surfaces from damages
- Powerful, high-torque, orbital gear reduction motor
- Two strong, fully height and load adjustable strap bars
- Auxiliary charging system
- High-efficiency, specially hardened, aircraft type drive screw
- Heavy-duty construction for confident commercial or industrial application
- Totally sealed, maintenance-free, heavy-duty battery
- Enclosed and grommeted wiring system for added durability and safety
- Heavy-duty ball bearing drive system
- Roller bearing, non-marring, wide tread wheels, with auto type grease fittings
- Fully automatic, electro-magnetic braking system
- Security keyed safety switch protects against unauthorized use
- Heavy-duty leverage bar can be used to help tilt back and secure heavy loads
- Proven reliability– manufactured since 1971 from the original patented design
- Double-strapping system ensures a more balanced, secure load
- Warranty: 3 years on the motor and 1 year on the entire unit
- Drop shipped FOB Wisconsin

Lectro Truck™
STAIR CLIMBING SYSTEM

Lectro-Truck Model 1260E

- Heavy-duty steel construction
- 1,500 lb. load capacity with Electro Magnetic fully automatic braking mechanism
- 63" overall height with a vertical lifting height that will allow loading and unloading in trucks and vans to a maximum of 39"
- Built in hook bar for greater breaking back leverage
- Toe plate: 24" wide by 6" deep
- Weighs 185 lbs.
- Includes 1 LT battery, 2 adjustable strap bars and operating manual

Lectro-Truck Model 1268E

- Heavy-duty steel construction
- Great for moving vending machines
- 1,500 lb. load capacity with Electro Magnetic fully automatic braking mechanism
- 70.5" overall height with a vertical lifting height that moves loads up or down stairs, on and off trucks and vans, to a maximum height of 39"
- Built in hook bar for greater breaking back leverage
- Toe plate: 30" wide by 6" deep
- Weighs 190 lbs.
- Includes 1 LT battery, 2 adjustable strap bars and operating manual

Lectro-Truck Model LTA5512

- Aluminum alloy construction
- 1,200 lb. load capacity
- 67" overall height with a vertical lifting height of 41"
- Electro magnetic braking system
- Portable battery pack included
- Toe plate: 24" wide by 6" deep
- Weighs 110 lbs.
- Includes 1 LT battery, 2 adjustable strap bars, charging plug and operating manual

Lectro-Truck Model LTA6512

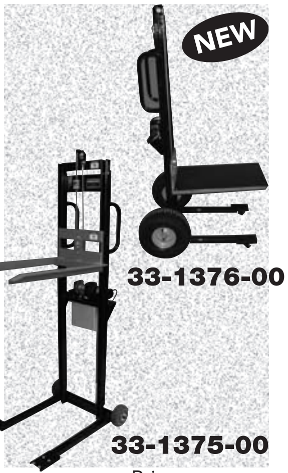
- Heavy-duty with a lighter weight aluminum alloy
- 1,500 lb. load capacity
- 68" overall height with a vertical lifting height of 41"
- Electro magnetic braking system
- Built-in tripod that folds in and out with the touch of your foot
- Built in extension handles provide additional leverage when needed
- Built in hook bar for greater breaking back leverage
- Toe plate: 30: wide by 6" deep
- Weighs 153 lbs.
- Includes 1 LT battery, 2 adjustable strap bars and owners operating manual

Model	Material	Height	Rating	Lift	Toe Plate	Hook Bar	Tripod	Extension Handles
1260E	Steel	63"	1500lbs	39"	6"x24"	Standard	Optional	N/A
1268E	Steel	70.5"	1500lbs	39"	6"x30"	Standard	Optional	N/A
5512E	Alum.	67"	1200lbs	41"	6"x24"	Optional	N/A	N/A
6512E	Alum.	68"	1500lbs	41"	6"x30"	Standard	Standard	Standard

Part Number		Price per ea.
33-1186-00	Lectro-Truck Model 1260E	3295.00
33-1187-00	Lectro-Truck Model 1268E	3495.00
33-1258-00	Replacement 6 amp Battery Charger	115.00

Part Number		Price per ea.
33-1188-00	Lectro-Truck Model LTA5512	3295.00
33-1189-00	Lectro-Truck Model LTA6512	3595.00

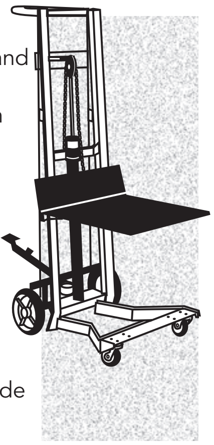
LECTRO TRUCK SLOT MACHINE MOVER



- Easily lift or lower slot machines with the touch of a button
- Compact electric truck vertically lifts loads of 750 lbs almost five feet high
- Front caster wheels standard
- Available with 6"x2" rear wheels or 15:x6"x6" all-terrain pneumatic tires
- Optional fork plate for solid surface moving
- Battery charger sold separately
- Construction: heavy-duty steel
- Battery: 12 volt
- Size: 67" H x 25" W x 34" D
- Weight: 130 lbs
- Capacity: 750 lbs

Part Number		Price per ea.
33-1375-00	Slot Mover with 6"x2" Rear Wheels	999.00
33-1376-00	Slot Mover with 15"x6"x6" Rear Wheels	999.00
33-1378-00	Battery Charger	89.00
33-1377-00	Fork Plate	79.00

WESCO SLOT MACHINE MOVER



- Ideal for raising, lowering and moving slot machines
- Easily raises slot machine from floor to slot stand or lowers it from slot stand to floor
- Foot operated hydraulic pump raises platform 54" high, foot release lowers platform
- Reduces risk of moving injuries
- Four-wheel dolly with front swivel casters
- Extra large platform 22" D x 22" W sits 5.75" above floor
- Wheel locks standard
- 750 lb capacity
- Steel frame construction
- Lift height: 54"; overall height 60.5"; 22.5" wide
- Rear wheels 8"x2" with .75" ball bearings
- 3.5" diameter polyurethane ball bearing front swivel casters
- Weight: 162 lbs

Part Number		Price per ea.
33-1259-00	Wesco Slot Machine Mover	1099.95
33-1268-00	Replacement Hydraulic Jack	530.60
33-1286-00	Rubber Wheel	24.00
33-1287-00	Caster	39.25
33-1289-00	Replacement Spring and Seal Kit	211.25

GRAND PACK-N-ROLL PORTABLE Z-CART

- Lightweight, durable, rust-proof PVC construction
- Convenient and compact
- Aluminum telescoping handle with comfo contoured plastic grip, extends to 23"
- Smooth rolling rubber tires
- Snap-on side support braces for addition strength
- This portable cart collapses into an easy t carry compact case
- Size: 16.5" L x 15" W x 14" H
- Color: Black
- Capacity: 80 lbs.

Part Number		Price per ea.
33-1293-00	Grand Pack-N-Roll Portable Z- Cart	29.95

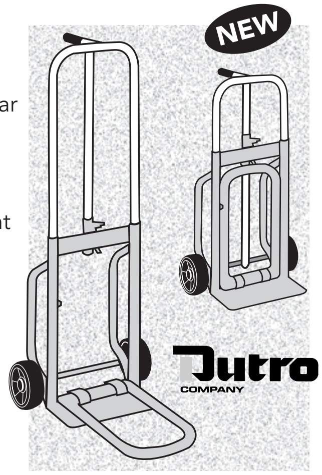
BULK DELIVERY CARTS

- Reduce delivery time and injuries by delivering with bulk carts
- Improves delivery efficiencies by pre-loading at the warehouse
- Soft side vinyl containment system eliminates the need for shrink-wrapping; attaches with clips
- Lightweight aluminum construction
- Heavy duty under carriage
- Easy to handle and easy to clean
- 2 removable handles with 3 cross bars and 1 vertical strap
- Solid or tubular decks 18" W x 60" L
- 8" Performa wheels in center
- Corner wheels available in 8" Performa wheels or 8" swivel pneumatics
- All weigh approximately 90 lbs.
- 1200 lb. capacity
- Drop shipped from Michigan

b&p Manufacturing
Materials Handling Equipment

Part Number		Price per ea.
33-1332-00	Solid Deck With Performa Corner Wheels	493.72
33-1337-00	Solid Deck With Swivel Pneumatic Corner Wheels	503.57
33-1334-00	Tubular Deck With Performa Corner Wheels	471.72
33-1333-00	Tubular Deck With Swivel Pneumatic Corner Wheels	527.52
33-1335-00	Single Soft Side	55.00
33-1336-00	Double Soft Side	110.00

DUTRO COLLAPSIBLE HAND TRUCK



- Compact and lightweight
- Retractable handle and 15" fold-up nose plate
- Easily fits in trunk or front seat of car
- Great for toting large sample cases or tool cases
- Single fingertip control lever will increase or decrease overall height
- Capacity: 400 lbs.
- Toe Plate: 5" x 12" x 3/16"
- Width: 16.5"
- Height: 26" to 41"
- Weight: 26 lbs.
- Wheel: 5" x 2"
- Axle: 5/8"
- Model 904

Part Number		Price per ea.
33-1197-00	Dutro Collapsible Hand Truck	117.95

WESCO MEGA MOVER FOLDING TRUCK

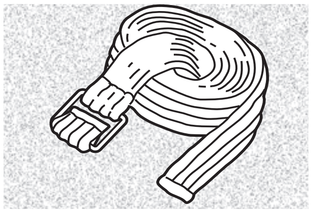
- 550 lb capacity lightweight folding truck
- Folds to a compact 34” x 23.5” x 4.75” for transport and storage
- Aluminum/poly construction; weighs only 28.5 lbs
- Easy push button operation for quick set up
- 8” x 2.5” full pneumatic wheels
- Extended dimensions: 47” x 26.5” x 25.5”
- Noseplate dimensions: 23.5” wide x 18” deep

WESCO Industrial Products, Inc.

Part Number		Price per ea.
33-1341-00	Mega Mover Heavy-Duty Folding Truck	299.00

HEAVY DUTY WEB BELTS

- Heavy duty cotton belt will not scratch equipment
- 2” wide webbing
- Patented Roller Buckle
- Metal tip at other end
- Use as carrying strap or for tie-down purposes



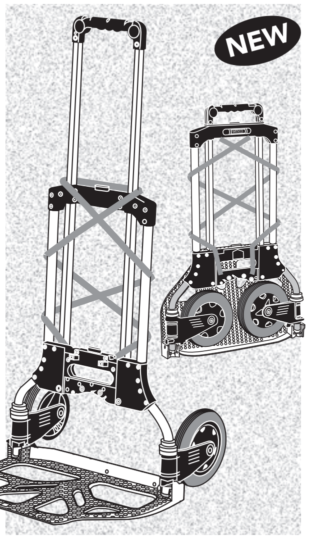
Part Number		Price per ea.	L/6
33-1169-00	15’ Cotton Belt	23.35	22.15
33-1168-00	20’ Cotton Belt	26.55	22.90

PINBALL CART WITH HYDRAULIC PUMP

- Durable heavy-duty construction
- Minimal assembly required
- Hydraulic cylinder provides a controlled gentle descent
- Lift has a raised height of 26 inches and a lower height of 19? inches
- Wrinkle black powder coated finish
- 4 replaceable heavy-duty swivel casters
- Dimensions: 16?” width x 17” height x 42” length
- Load capacity: 400 lbs
- Shipping weight: 70 lbs

Part Number		Price per ea.
33-1114-10	Heavy-Duty Pinball Cart with Hydraulic Pump	325.00

SUPERLITE FOLDING TRUCK



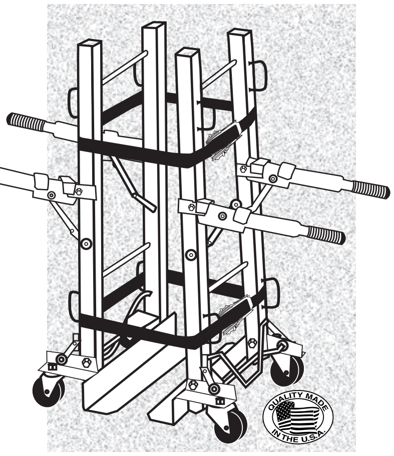
- Lightweight aluminum construction, weighs only 8.4 lbs.
- Easy pushbutton operation for quick set up
- Extended dimensions: 42” x 19” x 19”
- Folds to a compact 29.5” x 19” x 2” for easy transport and storage
- Superlite Folding Truck will fit into the smallest storage space or car trunk
- Noseplate: 19” wide x 12” deep
- Elastic straps for securing the load
- 7” x 1.5” non-marking, shock absorbing rubber tread wheels
- Suitable for technicians, arcades, routes, warehouse, office, and home
- Fits great in vans or the trunk of a car
- Capacity: 175 lbs.

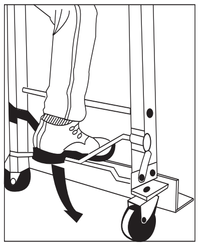
WESCO Industrial Products, Inc.

Part Number		Price per ea.
33-1244-00	Superlite Folding Truck	109.95

DUNN TONNER TRUCK

- Easily allows one man to move heavy machines
- One step operation
- All welded steel frame
- High 2,000 lb. capacity
- Heavy duty casters
- Includes a set of 2 dollies and ratchet straps
- 44” high for better balance
- Toe plate: 23” x 3.75”
- UPS shippable


QUALITY MADE IN THE U.S.A.

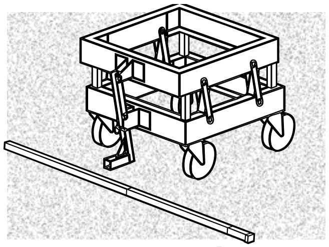


Simple Operation

To operate: Place one unit at each end of your product. Using ratchet straps, Connect the two units and tighten straps. Press the foot lever down into the locking position to raise Dunn-Tonners onto the heavy-duty wheels. Handles fold for ease of use and minimum storage space.

Part Number		Price per ea.
33-1220-00	Dunn Tonner Truck	455.99
33-1239-00	Replacement Ratchet Strap	10.60
33-1239-01	Replacement Caster, 3” x 1-3/4”	14.55

U-LIFT POOL TABLE MOVER

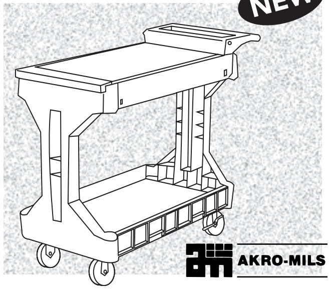


- Allows 1 person to easily move a pool table, air hockey or foosball table
- Reduces risk of back injury
- Heavy duty casters
- U.P.S. shippable

Part Number		Price per ea.
33-1005-00	U-Lift Pool Table Mover	240.90
33-1241-00	Replacement Handle Assy with Grip and Hardware	30.10

PROCART™ UTILITY CART

NEW

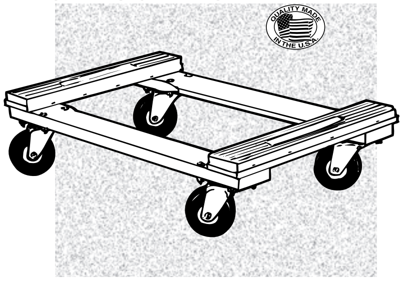


AKRO-MILS

- The first “double-duty” utility cart
- Engineered to adapt to all the ways - and all the places - you work
- Flip its side gates down and the ProCart™ is a flat top cart - perfect for sliding boxes on and off the shelves in the warehouse
- Quickly flip the side gates up and it is a box top cart - use it to securely transport supplies
- Optional rail system and bins transform it into a customized, portable work center
- Made of high density polyethylene structural foam which is dent resistant, rust-proof and never needs painting
- Durable non-marking 5” wheels with locking rear wheels
- Each shelf holds a hefty 200 lbs.
- Quick assembly using a Phillips screwdriver

Part Number		Color	Size	Price per ea.
83-0099-00	Large ProCart™	Beige	45”L x24”W x32”H	208.10
83-0098-00	Large ProCart™	Gray	45”L x24”W x32”H	208.10
83-0100-00	Small ProCart™	Gray	40”L x19.5”W x32”H	176.90

DELUXE ALL-PURPOSE DOLLY

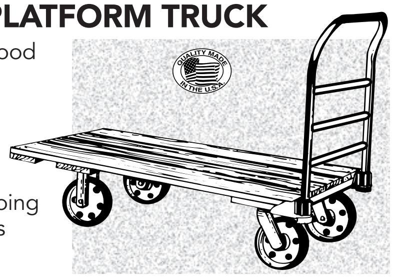


QUALITY MADE IN THE U.S.A.

- Heavy duty 4" casters
- 18" wide x 30" long
- Rubber covering “grips” and “protects” items from moving or scratching
- Hard rock maple
- 1000 lb. load capacity
- Weighs 21 lbs.

Part Number		Price per ea.
33-1801-00	Deluxe All-Purpose 4 Wheel Dolly	84.35
33-1126-00	Replacement Rubber End Caps	9.65
33-1140-00	Replacement 4” Caster	12.30

WOOD PLATFORM TRUCK



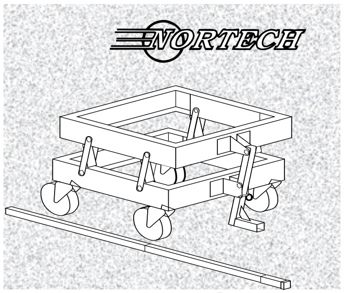
QUALITY MADE IN THE U.S.A.

- 30" wide x 60" long wood platform
- 5" x 1-1/4" polyolean casters
- 2000 lb. load capacity
- Removable 1" steel tubing handle with 3 crossbars
- Must ship via truck

Part Number		Price per ea.
33-1067-00	Wood Platform Truck	284.25

EASY-LIFT POOL TABLE MOVER – NORTECH

NORTECH

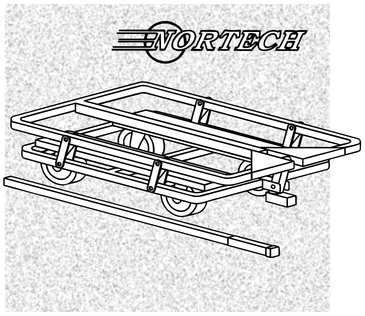


- Designed to make moving pool tables, air hockey and foosball games easy for 1 person
- Reduces risk of back injury
- Lifts table 3"
- Extremely heavy duty 5" casters
- Weight 56 lbs.
- U.P.S. shippable

Part Number		Price per ea.
33-1058-00	Easy-Lift Pool Table Mover – Nortech	345.00
33-1119-00	Easy-Lift Replacement Caster	22.10
33-1245-00	Easy-Lift Replacement Safety Pin	8.65

EASY-LIFT VENDOR MOVER – NORTECH

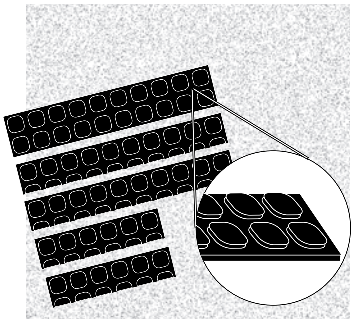
NORTECH



- Makes moving heavy, bulky vending machines an easy 1 man job
- Fits all vending machines with a 5-3/4" high x 21" wide clearance
- Reduces risk of back injury
- Extremely heavy duty 4" casters
- 950 lb. load capacity
- Weighs 55 lbs.
- U.P.S. shippable

Part Number		Price per ea.
33-1060-00	Easy-Lift Vendor Mover – Nortech	345.00

GRIP STRIPS FOR EASY-LIFT VENDOR MOVER



- Set consists of 5 strips custom cut for exact fit on the Vendor Easy-Lift Mover, 33-1060-00
- New heavy duty rubber strips help grip the vending machine
- Prevents machine from sliding around
- Textured rubber surface adds even more grab to the machine
- Specially formulated adhesive permanently attaches rubber strips to metal

Part Number		Price per ea.
33-1060-01	Grip Strips for Easy-Lift Vendor Mover	9.90

ALUMINUM PLATFORM TRUCKS

NEW

QUALITY MADE IN THE U.S.A.

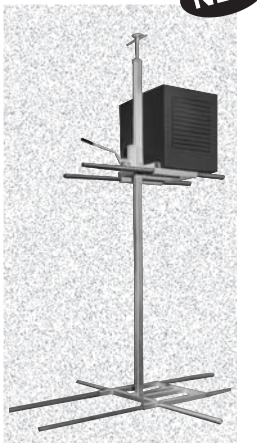
b&p Manufacturing
Materials Handling Equipment

- Great for casino or warehouse use
- Lightweight and easy to handle
- Extra rugged box frame construction
- Smooth deck plate
- Removable, reversible handle
- 8” x 2” Colson Performa high performance casters
- Full protective bumper
- 2000 lb. capacity
- Two-year warranty
- Weight: 24” x 48” truck weighs 68 lbs.; 30” x 60” truck weighs 74 lbs.

Part Number		Price per ea.
33-1313-00	24” X 48” Aluminum Platform Truck	358.80
33-1314-00	30” X 60” Aluminum Platform Truck	442.20

HI-JACK A-1 SIGN JACK LIFT

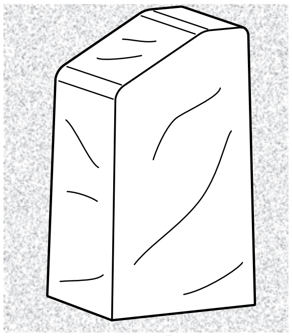
NEW



- Ideal for lifting large, heavy casino signs
- Allows one person to lift 500 lb. loads up to 10 ft. high
- Average lift speed of 500 lbs. is 3 ft. per minute
- 11-gauge tubular standards and sturdy platform
- Heaviest part weighs only 40 lbs.
- Assemble as erector set for any job condition or ceiling height up to 17 ft.
- Optional swivel casters permit movement in any direction
- Measures 24" L x 29" W x (add 22" to lifting height)

Part Number		Price per ea.
33-1339-00	Hi-Jack A-1 Sign Jack Lift	699.00
33-1343-00	Swivel Casters for Hi-Jack A-1 Lift	34.95

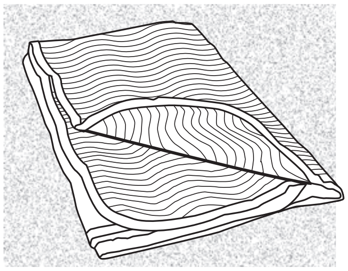
HEAVY DUTY MACHINE TRANSPORT COVERS



- Ideal way to protect your equipment during transport
- High Quality Cotton lined 35 oz. vinyl to protect against scratches
- Protects against sun, rain, snow, dust, and nicks
- Double stitched seams
- Equipped with brass grommets for easy tie down
- Easy to clean, simply wipe off

Part Number		Price per ea.
49-0694-00	Video Game Cover, Oversized 72"(H) x 37"(W) x 36"(D)	110.65
49-0695-00	Video Game Cover 66"(H) x 29"(W) x 33"(D)	86.05
49-0696-00	Pinball Cover, Transport Style 32"(H) x 25"(W) x 55"(D)	94.55
49-0697-00	Pinball Cover, Upright Style 46"(H) x 36"(W) x 60"(D)	86.05
49-0698-00	Poker Machine Cover 60"(H) x 26"(W) x 29"(D)	86.05
49-0699-00	CD Phonograph Cover 59"(H) x 41"(W) x 31"(D)	86.05
95-0639-00	8' Pool Table Cover 102"(L) x 57-1/2"(W) x 10"(D)	154.95
95-0700-00	Dart Fold Down Cover 47" (H) x 25" (W) x 34" (D)	86.05

DELUXE MOVING PAD

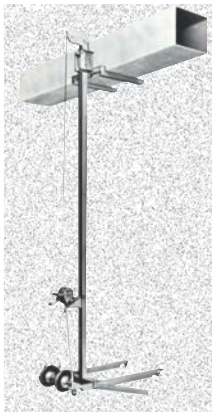


- Heavy-duty all cotton pad
- Will not scratch equipment
- Quilted together by a 1" locking stitch in a lazy "S" pattern
- Double stitched binding for long life
- Size: 72" x 80"
- Color: blue / blue

Part Number		Price per ea.
33-1185-00	Deluxe Moving Pad	36.90

MULTI-PURPOSE SIGN JACK LIFT

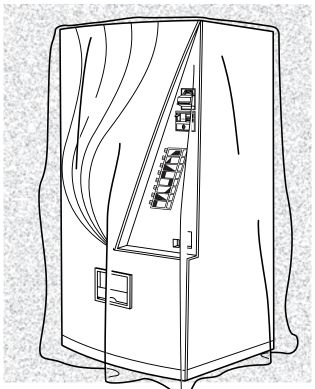
NEW



- Ideal for lifting large, heavy casino signs
- Allows one person to lift 500 lb. loads up to 12 ft. high
- Can be converted to a 5, 8 or 9 ft. lift
- Four non-marking composition casters swivel to permit movement in any direction
- Each caster equipped with simple locking devices
- Tilt back option to move quickly over soft and/or uneven ground
- Portable material elevator can lift various types of loads
- Loads over 500 lbs. can be lifted with two or more units
- Measures 24" L x 29" W x (add 22" to lifting height)
- UL listed and OSHA accepted

Part Number		Price per ea.
33-1276-00	Multi-Purpose 512-A Sign Jack Lift	1328.60

HEAVY DUTY PLASTIC COVER

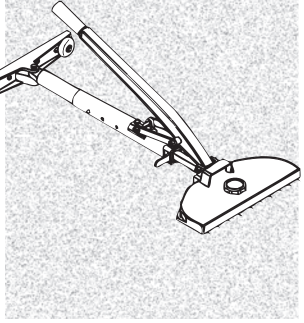


- Extra strong 3 mil plastic resists shredding from weather on the back of open trucks during transporting to and from locations
- Extra large size fits all types of equipment: 51"(W) x 49"(D) x 85"(H)
- Strong and durable, but flexible for easy folding for storage to use again
- Easy to cut to fit your specific application

Part Number		Price per ea.
27-1047-00	3 mil Heavy Duty Plastic Cover	7.49

CRAIN POWER CARPET STRETCHER

NEW

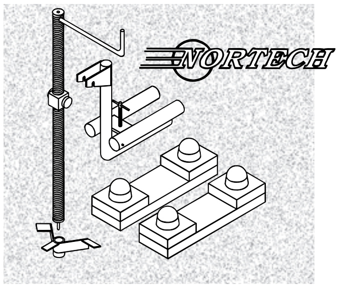


- Professional model
- Adjusting knob on top of power unit with a visual depth setting gauge – just set the dial to the desired pin depth and your ready to stretch
- Adjustable locking power head
- Auto-Lok tube allows you to adjust your stretcher poles in a flash
- Speed roller tail block
- Adjusts from 35" to 22'
- Heavy-duty, blow-molded custom carrying case
- Weight: Stretcher without case is 36 lbs; Custom-carrying case is 11 lbs
- Model 500

Part Number		Price per ea.
33-1291-00	Crain Power Carpet Stretcher	459.00

SLATE LIFTER KIT, BY NORTECH

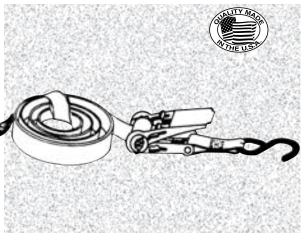
- Safely lifts and rotates pool table slate to come to you while resurfacing table
- Allows 1 person to recover a pool table
- Simple, but clever design makes this kit very easy to use
- Includes instructional video tape if further instruction is necessary



Part Number		Price per ea.
33-1059-00	Slate Lifter Kit	294.90
33-1217-00	Replacement Block and Roller Assy	30.75

RATCHET TIE-DOWN

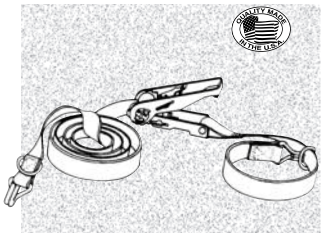
- Two 3-1/4” vinyl coated “S” hooks
- 1” x 14’ soft blue webbing will not scratch cargo
- 3,000 lb web capacity
- 1,200 lb assembly capacity
- Made in USA


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
33-1148-00	Ratchet Tie-Down	18.45

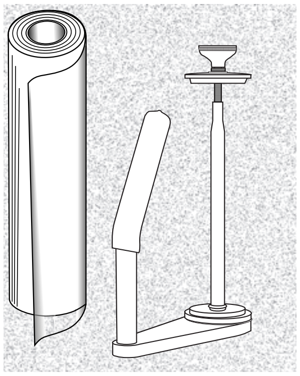
HEAVY-DUTY RATCHET TIE-DOWN

- Hook and “D” ring ends
- 1” x 15’ soft blue web will not scratch cargo
- 3,000 lb web capacity
- 2,000 lb assembly capacity
- Made in USA


QUALITY MADE IN THE U.S.A.

Part Number		Price per ea.
33-1147-00	Heavy-Duty Ratchet Tie-Down	21.95

STRETCH-WRAP FILM & DISPENSER



FILM

- Ideal for use in storage or transportation of machines
- Protects shipments and reduces damage
- Premium blown film provides excellent puncture resistance for securing uniform or irregular loads
- Resists puncturing or tearing, even around sharp corners
- Superior cling keeps loads secure even in -5°F
- Thick 80 gauge film
- 18" x 1500 ft., 3" core
- 4 rolls per case

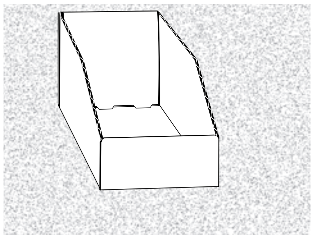
DISPENSER

- High strength and high quality - built to last
- Adjusts to 12", 15" and 18" widths, 3" core
- Foam handle is angled to reduce fatigue
- Top tension control to keep stretch constant
- Weighs only 3-1/2 lbs

Part Number		Price per ea.	L/4
39-0036-00	Heavy Duty Stretch-Wrap Film	18.95	16.49
39-0037-00	Stretch Film Dispenser	98.30	–

BIN BOX

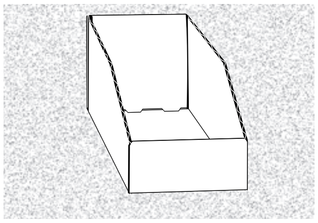
- Handy, economical way to stock parts
- Stock parts of a variety of sizes side by side
- 6"(W) x 12"(L) x 4-1/2”(H)
- Heavy duty, self-locking, white cardboard
- Mark the front of the box for quick parts identification



Part Number		Price per ea.	L/25
27-1056-00	Bin Box	1.70	1.50

CORRUGATED WHITE SHELF BINS

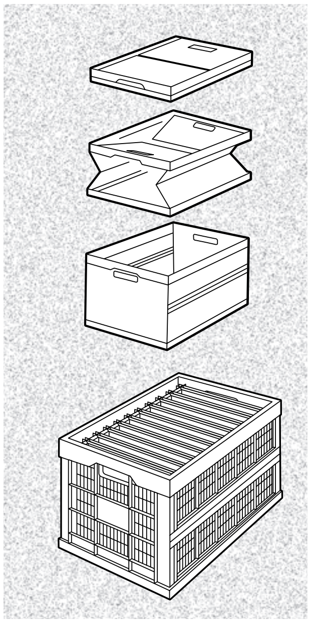
- Heavy-duty self-locking corrugated
- Sold in bundles of 25 only



Part Number	Size	Price per bundle
27-1226-00	11" D x 2-1/4" W x 4-3/4" H	33.20
27-1227-00	11" D x 4-1/4" W x 4-3/4" H	46.75
27-1228-00	11" D x 8-1/4" W x 4-3/4" H	60.30

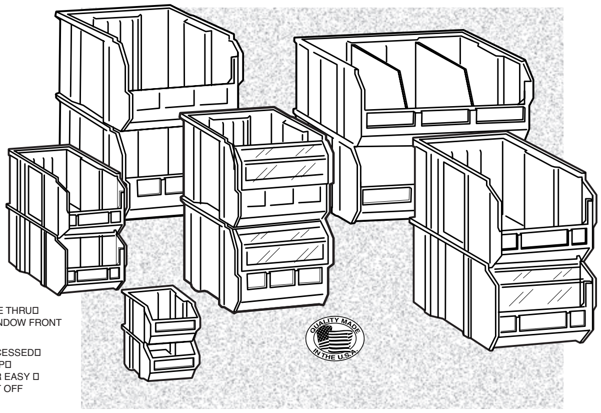
COLLAPSIBLE BASKET

- Extra strong stackable polypropylene basket is attractive and durable,
- Excellent protection for breakable items
- Open slots on every side makes this perfect for items that require ventilation
- Open slots also allow for easy visual inspection
- Folds and stores flat until needed. Then snaps open instantly to hold and store files, tote mail, office forms, ledgers, paper recycling bin, products around the office, on the road or throughout the plant
- Dimensions open: 10-3/4"(H) x 20-3/4"(L) x 13-1/4"(W)
- Dimensions closed: 2-2/3"(H) x 20-3/4"(L) x 13-1/4"(W)
- 10 per case

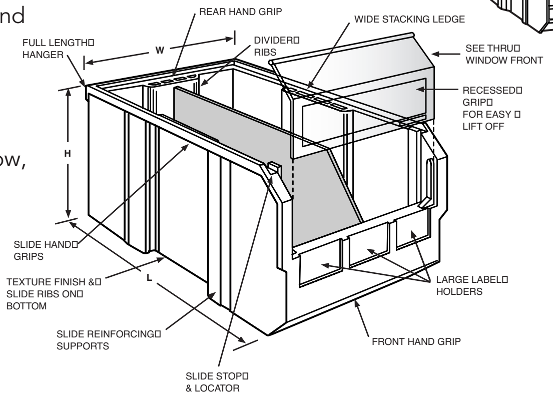


Part Number		Price per ea.	L/10
27-1038-00	Collapsible Basket - Blue	21.95	19.95
27-1044-00	Collapsible Basket - Red	20.95	19.75

QUANTUM ULTRA SERIES BINS



- Ultra strong bins that will stack on one another or hang on louvered panels
- Bins are made from heavy duty, virgin, high-density polypropylene/ polyethylene
- Large multiple label slots provide easy label insertion and part identification
- Extra wide stacking ledge assures stability for high stacking
- Reinforced design adds strength and prevents spreading
- Will not rust or corrode and are unaffected by weak acids and alkalis, and are waterproof
- Interchangeable with other manufactured brands of bins
- Standard colors: Blue, Yellow, Red, Ivory and Green
- Optional windows available to maximize storage capacity and prevent spillage
- Optional dividers keep contents organized
- Made in the USA



COLOR CODE
X = Color

B = Blue
G = Green
I = Ivory
R = Red
Y = Yellow

Ask for our 36 - page catalog of Quantum Products

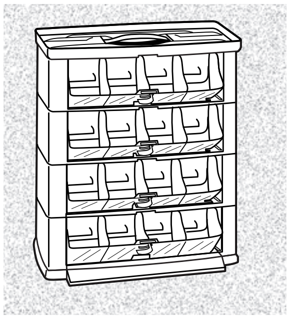
		Outside Dimensions			Inside Dimensions			
Part Number	**Model No.**	**L″**	**W″**	**H″**	**L″**	**W″**	**H″**	**Capacity**
83-0043-X	QUS 205	4-1/2″	4-1/8″	3″	3-3/16″	3-1/2″	2-7/8″	8 lbs.
83-0044-X	QUS 210	5-1/2″	4-1/8″	3″	4-1/2″	3-1/2″	2-7/8″	10 lbs.
83-0057-X	QUS 220	7-1/2″	4-1/8″	3″	6-1/2″	3-1/2″	2-7/8″	10 lbs.
83-0056-X	QUS 230	11″	5-1/2″	5″	8-11/16″	4-13/16″	4-13/16″	30 lbs.
83-0055-X	QUS 233	13-1/2″	5-1/2″	5″	11-1/4″	4-13/16″	4-13/16″	30 lbs.
83-0045-X	QUS 235	11″	11″	5″	9″	10-3/8″	4-13/16″	50 lbs.
83-0046-X	QUS 239	11″	8-1/4″	7″	9″	7-1/2″	6-3/4″	50 lbs.
83-0047-X	QUS 240	14-3/4″	8-1/4″	7″	12-7/8″	7-1/2″	6-3/4″	60 lbs.
83-0048-X	QUS 245	11″	16-1/2″	5″	9″	15-3/4″	4-13/16″	60 lbs.
83-0049-X	QUS 250	14-3/4″	16-1/2″	7″	12-7/8″	15-3/4″	6-3/4″	75 lbs.
83-0050-X	QUS 255	16″	11″	8″	13-5/8″	10-1/4″	7-3/4″	75 lbs.
83-0051-X	QUS 260	18″	11″	10″	15-5/8″	10-1/4″	9-3/4″	75 lbs.
83-0052-X	QUS 265	18″	8-1/4″	9″	17-1/8″	6-3/4″	8-1/4″	60 lbs.
83-0053-X	QUS 270	18″	16-1/2″	11″	15-5/8″	15-3/4″	10-3/4″	——-

Part Number	Model No.	Price per ea.	Window Part No.	Model No.	Price per ea.	Length Divider Part No.	Model No	Price per ea.
83-0043-X	QUS 205	.99	——-		—	83-0069-00	DUS 205	.67
83-0044-X	QUS 210	1.10	——-		—	83-0070-00	DUS 210	.69
83-0057-X	QUS 220	1.80	——-		—	83-0071-00	DUS 220	.73
*83-0056-X	QUS 230	4.30	83-0056-00	WUS 230	.91	83-0072-00	DUS 230	1.25
*83-0055-X	QUS 233	5.20	83-0058-00	WUS 233	.81			
83-0045-X	QUS 235	6.90	83-0059-00	WUS 235	1.25	83-0076-00	DUS 235	1.25
83-0046-X	QUS 239	7.35	83-0060-00	WUS 239	1.15	83-0077-00	DUS 239	1.55
83-0047-X	QUS 240	7.80	83-0061-00	WUS 240	1.15	83-0078-00	DUS 240	1.85
83-0048-X	QUS 245	9.80	83-0062-00	WUS 245	2.40	——-	——-	—
83-0049-X	QUS 250	12.50	83-0063-00	WUS 250	2.40	83-0080-00	DUS 250	1.85
83-0050-X	QUS 255	12.00	83-0064-00	WUS 255	2.00	83-0081-00	DUS 255	3.40
83-0051-X	QUS 260	16.45	83-0065-00	WUS 260	2.00	83-0082-00	DUS 260	3.65
83-0052-X	QUS 265	14.15	83-0066-00	WUS 265	1.90	83-0083-00	DUS 265	3.20
83-0053-X	QUS 270	22.00	83-0067-00	WUS 270	2.85	83-0084-00	DUS 270	3.65

*Cross Divider Available

Part Number	Model	Description	Price per ea.
83-0073-00	CDUS 230	For 83-0056-X	.73

QUANTUM MODULAR CLEAR BIN SYSTEM



- Injection molded from virgin, break resistant copolymer polypropylene
- Three permanent, molded dividers per bin
- Bins are front and back; cannot be mounted to wall
- See through drawers for easy viewing
- Compartments tilt open to a 45-degree angle providing easy access
- Color: Blue
- Made in the USA

Part Number 83-0088-00

Model No.:	MB 600
Outside Dimensions:	7-1/4" D x 13-5/8" W x 11-5/8" H
Bin Dimensions:	3-3/4" D x 10-5/8" W x 3-1/4" H

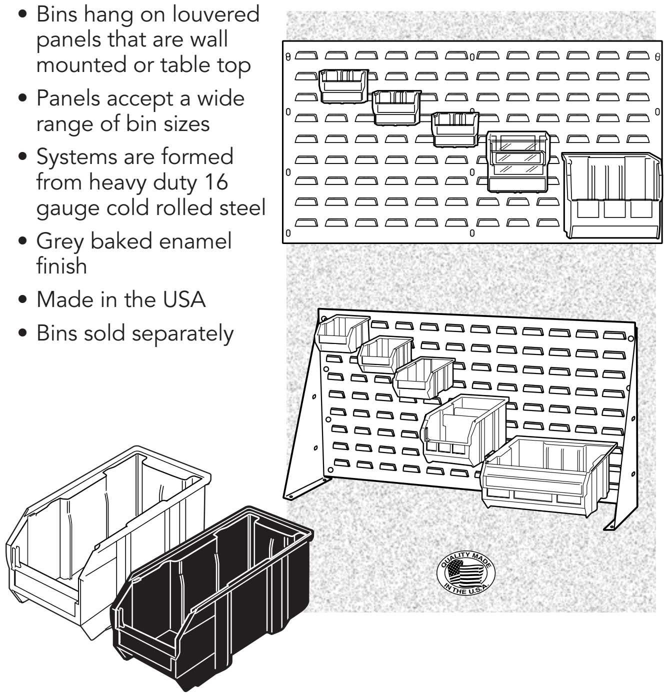
Part Number 83-0089-00

Model No.:	MB 800
Outside Dimensions:	7-1/4" D x 13-5/8" W x 15" H
Bin Dimensions:	3-5/8" D x 10-1/2" W x 3-1/4" H

Part Number		Price per ea.
83-0088-00	Quantum MB 600 6-Bin System	22.15
83-0089-00	Quantum MB 800 8-Bin System	28.65

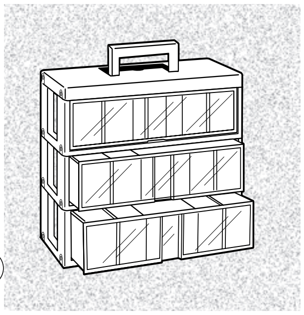
QUANTUM ULTRA HANGING SYSTEMS

- Bins hang on louvered panels that are wall mounted or table top
- Panels accept a wide range of bin sizes
- Systems are formed from heavy duty 16 gauge cold rolled steel
- Grey baked enamel finish
- Made in the USA
- Bins sold separately



Part Number	Model No.	Description	Price per ea.
83-0052-00	QLP-1819	Wall Mount 18" L x 19" H	23.40
83-0053-00	QLP-3619	Wall Mount 36" L x 19" H	32.80
83-0055-00	QBR-3619	Bench Rack 36" L x 19" H	50.00
83-0054-00	QLP-3661	Wall Mount 36" L x 61" H	140.35

QUANTUM MODULAR CLEAR DRAWERS



- Injection molded from virgin, break resistant copolymer polypropylene
- Bin systems can be wall mounted or stacked on top of one another
- See through drawers for easy viewing
- Internal dividers may be removed to adjust size of drawer compartments
- Color: Blue

Part Number 83-0086-00

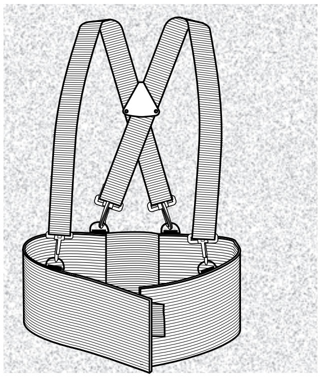
Model No.:	MD 815
Outside Dimensions:	5-1/2" D x 12-1/8" W x 6-3/4" H
Bin Dimensions:	5-5/8" D x 11-1/4" W x 1-1/2" H

Part Number 83-0087-00

Model No.:	MD 817
Outside Dimensions:	5-1/2" D x 12-1/8" W x 11" H
Bin Dimensions:	5-5/8" D x 11-1/4" W x 3" H

Part Number		Price per ea.
83-0086-00	Quantum MD 815 Small 3-Drawer Unit	12.70
83-0087-00	Quantum MD 817 Large 3-Drawer Unit	16.85

LUMBAR SUPPORT BELTS



- Reduces back strain & injuries
- Helps keep back muscles warm & flexible
- Double elastic stretch binding ensures comfortable firm support
- Sewn-in support for small of back
- Sizes: Small, Medium, Large & Extra-Large
- Made in the USA

Part Number		Price per ea.	L/3
33-1178-00	Small 28"– 32"	31.20	29.15
33-1176-00	Medium 32"– 36"	31.20	29.15
33-1175-00	Large 36"– 40"	31.20	29.15
33-1177-00	Extra-Large 40"– 44"	31.20	29.15

HAPP CONTROLS
is an authorized
COOP
BVA
INC.
Better Vendors Association
SUPPLIER

STANDARD CHANGE-MAKERS FRONT LOAD CHANGERS

Standard Change-Makers, Inc. has been delivering high quality Change, Ticket and Token machines since 1955. Their products are tough, dependable and backed by outstanding service.

THE MC100 SERIES

42-7284-00
MC100 Changer

42-7284-00B
Base only
(shown with changer)

42-7284-00H
Header only
(shown with base and changer)

THE MC200 SERIES

42-7285-00
MC200 Changer

42-7285-00B
Base only
(Shown with Changer)

42-7285-00H
Header only
(Shown with base and changer)

Modular Series Features:

Front & Read Load Models
Bill Acceptor(s): Pyramid Technologies® APEX-5000 Series (Coinco®, CashCode® & Mars® available-MDB Only)
Bill Stacker capacity: 500 Bills standard (1,000 bill stackers available)
Hopper(s): Galvanized Steel construction with tilting Base for easy Hopper Dump operation without disconnecting power
Hopper Capacity: One Hopper models: $800 or 3,200 quarters; Two Hopper Models: $1,600 or 6,400 quarters
Cabinet: Solid-welded steel (no rivets or spot welds), finished in high gloss Powder-Coat enamel
Graphics: Scratch-resistant Lexan™
Locks: T-Handle "Slam Locks" with Ace™ plugs standard (Medeco™ Lock Plugs available)
ETL Certified machines-in accordance with UL 756 and CSA-C22.2, No. 128 standards
Two year Limited Warranty (2 Year Parts, 1 Year Labor)

The MC100 Changer

(Front Load – Single Hopper)

- Pyramid® MDB Bill Acceptor (2,000 Bill Stackers)
- Mega-capacity modular coin hopper with Smart Hopper technology
- Heavy-duty 12-gauge steel cabinet, 11-gauge steel door
- Lexan graphics with back cabinet finish
- Capacity = $800 or 3,200 quarters
- "Out of Service" indicator light
- T-handle "Slam" locks with Ace™ lock plug

The MC100 Specifications

	Height	Width	Depth
Cabinet	32″	8-1/2″	13″
Base	30″	8-1/2″	13″
Header	10″	8-1/2″	13″

Part Number		Price per ea.
42-7284-00	MC100 Changer Only	1566.65
42-7284-00B	MC100 Base Only	137.95

The MC200 Changer

(Front Load – Double Hopper)

- Pyramid® Bill Acceptor (500 Bill Stacker)
- Two of Standard's Steel, Modular Coin Hoppers (Capacity = $1,600 or 6,400 quarters/tokens)
- Smart Hopper Technology programmability
- Black Lexan Graphics with Black cabinet finish
- Cabinet constructed of heavy-duty, solid-welded 12-gauge steel (10-gauge steel door)
- "Out of Service" Indicator light
- T-handle "Slam" locks with Ace™ lock

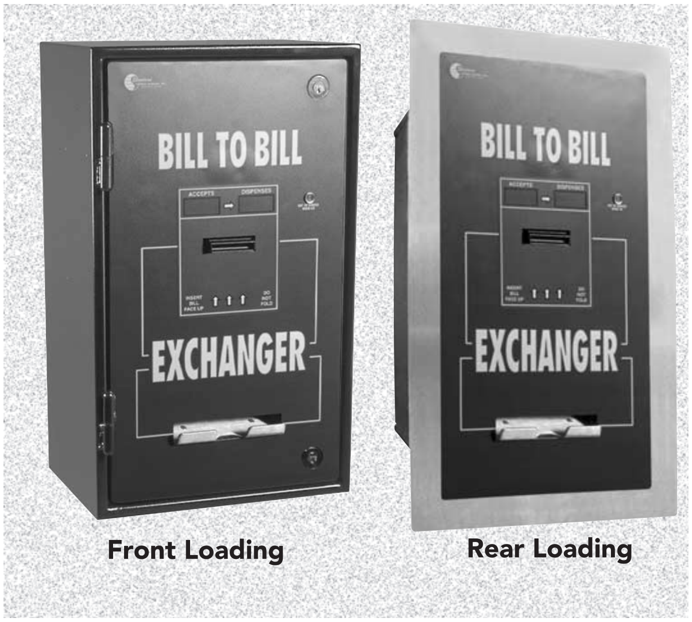
The MC200 Specifications

	Height	Width	Depth
Cabinet	32″	8-1/2″	13″
Base	30″	8-1/2″	13″
Header	10″	8-1/2″	13″

Part Number		Price per ea.
42-7285-00	MC200 Changer Only	2065.10
42-7285-00B	MC200 Base Only	163.75
42-7285-00H	MC200 Header Only	65.95

STANDARD CHANGE-MAKERS BILL TO BILL EXCHANGER

- Dispenses ones, fives or tens as change for larger bills and is programmable to your preference
- Can accept $5, $10, $20, $50, $100
- Choice of Coinco MAG50BAB Validator (accepts $5, $10, $20) or Mars LE3901UL Validator (accepts $5, $10, $20, $50, $100)
- Capacity of 1000 new or 750 used bills
- Secured with 2 high security Medeco locks
- Front or rear loading models available
- Cabinet is constructed of heavy 11 gauge welded steel; door is 8 gauge
- Equipped with a non-resettable counter for bills received in
- Size: 27-7/8” H x 16-7/8” W x 12” D
- Weight: 120 lbs.
- UL approved
- Drop shipped from Indiana



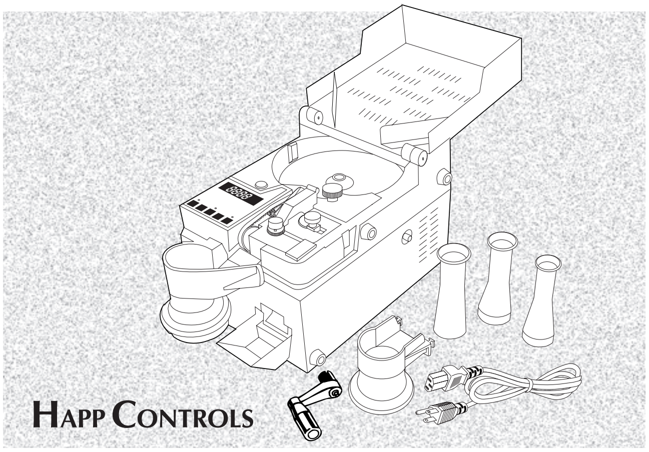
Front Loading **Rear Loading**

Part Number	Description	Loading	Accepts	Capacity	Price per ea.
42-8115-00	With Coinco MAG50BAB Validator	Front	$5, $10 $20	500	3714.80
42-8116-00	With Coinco MAG50BAB Validator	Rear	$5, $10 $20	500	3500.45
42-8109-00	With Mars LE3901UL Validator	Front	$5, $10, $20, $50, $100	600	4399.25
42-8098-00	With Mars LE3901UL Validator	Rear	$5, $10, $20, $50, $100	600	4399.25

HAPP CONTROLS ELECTRIC COIN SORTER, COUNTER, WRAPPER & BAGGER

The ultimate machine that sorts, counts, wraps or bags all coin or token denominations. It even handles the new **Golden Dollar**. Pour **unsorted mixed coins** into the large tray, set the controls and insert a bank wrapper in the wrapping tube. When you press the “start” button, it will count and wrap the coin with the largest diameter while at the same time sort away all other coins into a sort-bag or tray at the side. It automatically stops when each wrapper is filled with the proper number of coins. When you finish wrapping the largest coin, pour the coins from the sort-bag back into the tray, set the controls for the largest diameter coin remaining in the mix and repeat the counting and wrapping process. In just a few minutes all denominations will have been sorted, counted and wrapped. Will also count and bag coins instead of wrapping them. Just replace the wrapping tube with the bag tube at the front. The resettable electronic meter will tell you the number of coins that have been counted into the bag.

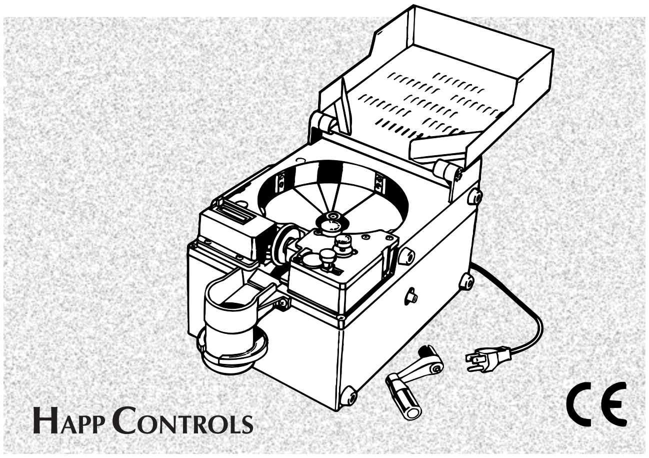
- Portable machine sorts, counts, wraps or bags coins and tokens of almost any size, even the new Golden Dollar Coin
- Heavy duty metal coin tray and base
- Programmable stops via the electronic counter from 1 to 9,999 or infinity
- 5 digit resettable electronic counter
- Average speed counts between 1,200 coins per minute
- Reversible motor assists in clearing jams
- Includes $.05, $.10, & .25 coin tubes, $1.00 coin tube sold separately
- Comes with an additional rubber feed belt plus extra internal gears
- 110v AC
- Weight: 17.6 lbs.
- 90 day warranty



Part Number		Price per ea.
80-1050-10	Happ Controls Electric/Manual Coin Counter	991.15
80-1209-00	Coin Tube for $1.00 Coin	4.99

HAPP CONTROLS ELECTRIC / MANUAL COIN COUNTER

- Counts coins and tokens of almost any size, even the new Golden Dollar Coin
- Available with either plastic or metal tray and base
- Programmable stops at 20, 25, 40, 50, 100, 200 and infinity and automatically stops to allow emptying of wrapper tube
- 5 digit resettable counter
- Reversible motor assists in clearing jams
- Average speed counts between 1,200 - 1,500 coins per minute.
- Comes with an additional rubber feed roller plus extra internal gears
- Includes $.05, $.10, & .25 coin tubes
- 110v AC
- 90 day warranty



Part Number		Price per ea.
80-1050-PL	Coin Counter with Plastic Tray and Base	499.95
80-1050-00	Coin Counter with Metal Tray & Base	578.80
80-1209-00	Orange Coin Tube for Golden Dollar	4.99

REPLACEMENT PARTS FOR HAPP CONTROLS COIN COUNTER

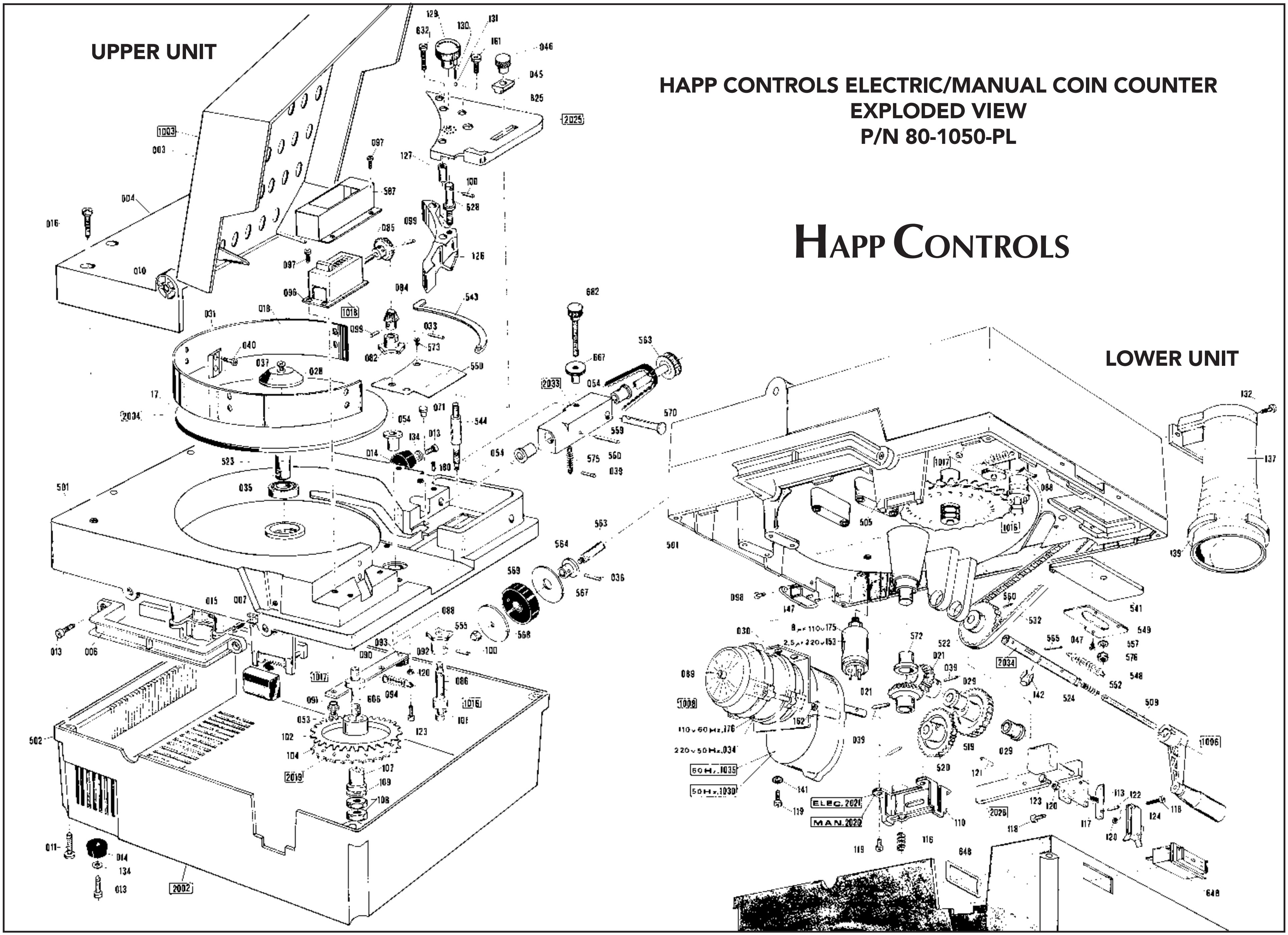
(SEE EXPLODED VIEW DIAGRAM FOR REFERENCE ON PAGE 165)

Ref. #	Happ P/N	Description	Price per ea.
-	80-1066-00	Blue Coin Tube $.05	4.99
-	80-1064-00	Gray Coin Tube $.01	4.99
-	80-1065-00	Green Coin Tube & $.10	7.25
-	80-1055-00	Orange Coin Tube $ .25	4.99
194	80-1209-00	Orange Coin Tube for Golden Dollar	4.99
004	80-1053-004	Cover	13.55
005	80-1101-00	Plate Tooth	10.25
006	80-1056-00	Handle	14.55
010	80-1069-010	Hinge	1.65
013	80-1059-013	Screw for Handle & Foot	.93
014	80-0057-014	Rubber Foot	1.95
021	80-1082-021	Pinion Gear	10.95
028	80-0046-028	Cone	2.95
031	80-1070-031	Bracket	2.25
033	80-1089-033	Roll pin	.72
040	80-1056-040	Screw	3.15
039	80-1139-039	Shaft Pin	1.05
045	80-1056-045	Guide Bracket Slide Arm	6.90
046	80-1037-046	Knob	16.10
054	80-1063-054	Bushing	7.45
079	80-0220-00	Coin Sorter Belt	7.40
082	80-1089-082	Upper Star Wheel	7.95
084	80-1102-084	Gear for Star Wheel	11.20
085	80-1072-085	Counter Gear Large	10.95
088	80-1096-088	Star Wheel	8.50
090	80-0065-090	Lever	6.15
091	80-1098-091	Spacer Pivot for Lever	6.45
092	80-0065-092	Bushing	3.75
093	80-0065-093	Pin	3.75
094	80-0047-094	Spring	5.15
096	80-1058-096	Meter Old Style	115.70
113	80-1061-113	Count Stop Arm	14.85
116	80-0049-116	Adjustment Spring	5.30
120	80-0065-120	Nut	.86
123	80-0065-123	Screw	.86
126	80-1053-126	Housing	110.70
127	80-0059-127	Coin Guide	9.85
130	80-0052-130	Spring	.67
131	80-0052-131	Ball Bearings	.41
132	80-1087-132	Screw	.93
137	80-1087-137	Coin Outlet w/ Ring	14.50

Ref. #	Happ P/N	Description	Price per ea
139	80-1087-139	Plastic Ring	13.65
142	80-0058-142	E-Ring	.93
147	80-0050-147	Plug Adapter	12.95
148	80-1039-00	Toggle Switch	22.40
161	80-0052-161	Screw	1.65
175	80-1097-175	Condenser	50.70
176	80-1092-176	Motor	132.55
501	80-0052-501	Aluminum Body	467.00
509	80-1106-509	Plate	5.20
519	80-1085-519	Feed Shaft	11.20
520	80-1084-520	Reducer Gear	10.95
522	80-1080-522	Gear	12.10
532	80-1054-532	Drive Belt	10.90
541	80-0051-541	Mounting Plate	13.65
543	80-0052-543	Guide Arm	5.70
547	80-0053-547	Protective Cover for Gears	3.25
550	80-1090-550	Plate	13.75
552	80-1137-00	Spring	3.75
555	80-1078-555	Nut	.91
563	80-1073-563	Shaft	14.55
564	80-1074-564	Bushing	13.10
565	80-1138-565	Pin	2.20
567	80-1075-567	Large Washer	7.30
568	80-1077-568	Rubber Wheel Washer	7.30
569	80-1076-569	Rubber Feed Wheel	4.95
575	80-0052-575	Spring	9.45
587	80-1056-587	Meter Cover	14.55
625	80-0054-625	Housing Cover	77.20
667	80-0056-667	Adjusting Lock Nut	6.00
682	80-1051-682	Adjusting Screw	10.25
1003	80-1069-00	Cover	94.95
1006	80-1099-1006	Crank Handle	10.90
1016	80-1095-1016	Shaft for Star Wheel	29.65
1017	80-1086-1017	Arm Entering for Star Wheel	25.55
1018	80-1057-1018	Meter	59.05
1035	80-1071-00	Gear Box	98.60
2004	80-0052-2004	Metal Plate	79.15
2019	80-1086-2019	Gear	17.30
2021	80-1052-2021	Stop Arm Bracket Assembly	203.95
2025	80-1053-2025	Plate Cover	118.45
2028	80-0223-00	Coin Release Arm	142.50

HAPP CONTROLS ELECTRIC/MANUAL COIN COUNTER
EXPLODED VIEW
P/N 80-1050-PL

HAPP CONTROLS



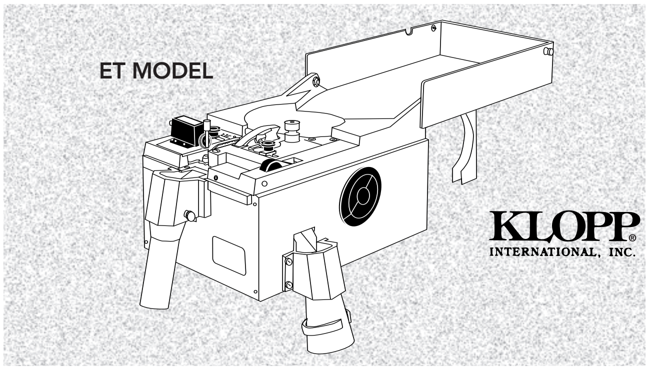
KLOPP COIN COUNTERS / WRAPPERS AND SORTERS

Since 1931, Klopp has been a U. S. manufacturer of high quality, economically priced coin handling equipment. Their superb reputation for accuracy, rugged dependability and almost no breakdowns has been justifiably earned through the test of time. Their products are made in the USA of cast aluminum and hardened steel. This means long life and minimal service. Klopp products are covered by a one year factory warranty on both parts and labor.

Here's how Klopp Coin Counter / Wrappers and Sorters benefit you:

- Eliminate 70% of the time now being spent to count and wrap coins by hand or with a plastic slide
- Cut labor costs of coin processing by providing fast and accurate counts the first time
- Eliminate human error caused by interruptions since the Klopp does the counting, not the operator
- Speed bank deposit preparation

KLOPP MODEL ET ELECTRIC SORTER / COUNTER / WRAPPER / BAGGER



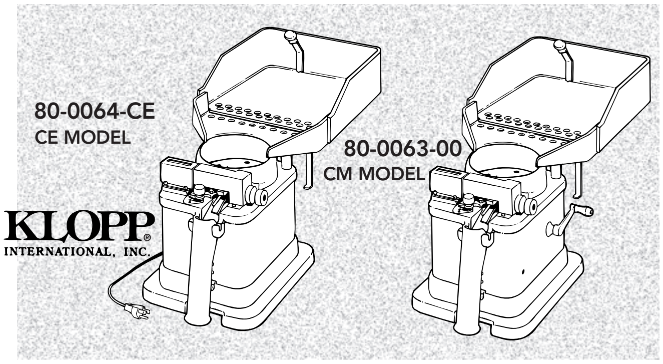
The "Everything Machine" sorts, counts, wraps or bags all coin or token denominations. Pour unsorted mixed coins into the large tray, set the controls and insert a bank wrapper in the wrapping tube. When you turn the unit on, it will count and wrap the coin with the largest diameter while at the same time sort away all other coins into a sort-bag at the side. The ET automatically stops when each wrapper is filled with the proper number of coins. When you finish wrapping the largest coin, pour the coins from the sort-bag back into the tray, set the controls for the largest diameter coin remaining in the mix and repeat the counting and wrapping process. In just a few minutes all denominations will have been sorted, counted and wrapped. The ET will also count and bag coins instead of wrapping them. Just replace the wrapping tube with an optional bag tube at the front. The resettable meter will tell you the number of coins that have been counted into the bag. The Model ET is preferred by those with a large volume of mixed coins. It includes 4 wrapping tubes and a side bag tube.

SPECIFICATIONS:

- Construction - cast aluminum and hardened steel
- Finish - polished aluminum and textured gray enamel
- Coin Stops - 20, 25, 40, 50 coins/tokens for wrapping, plus "C" for continuous flow into a bag
- Meter - five (5) digit resettable
- Wrapping Tubes - Color Coded; in U. S. $.25, $.10, $.05, $.01; in Canada $.25, $.10, $.05
- Processes 1,800 coins per minute and can fill a bank wrapper in 4 seconds. Coin tray holds approximately 6,000 coins.
- Dimensions - 10" W x 12" H x 17" D closed, (31" D open)
- Weight - 35 lbs., shipping weight 43 lbs.
- Motor - 1/15 hp, 115 volt, 60 cycle
- Denominations - Sorts, counts, wraps or bags all U. S. and Canadian coins and tokens of similar size. Also, non-U. S. coins and tokens up thru 32 mm in diameter and 2 mm in thickness on request.

Part Number		Price per ea.
80-0208-00	Model ET Electric Sorter / Counter / Wrapper / Bagger	2575.95
80-1171-00	Wrapping Tube for Golden Dollar	36.35
80-1113-00	Bag Tube and Ring Assembly	89.00

KLOPP COIN COUNTER / WRAPPER / BAGGER



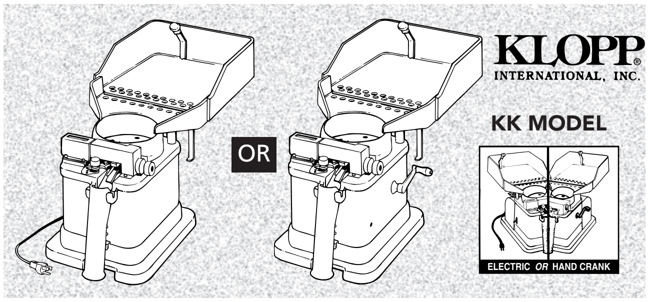
Counts, wraps or bags dollars, quarters, nickels, dimes, pennies and tokens one denomination at a time. Pour a large quantity of the same denomination of coins into the tray. Set the controls and insert a bank wrapper in the wrapping tube at the front of the unit. Turn the switch on or turn the crank handle and in four seconds the wrapper is filled with the proper number of coins and the unit automatically stops. Repeat this process until all coins are counted and wrapped. This unit will also count and bag coins instead of wrapping them. Just replace the wrapping tube with an optional bag tube at the front. The resettable meter will tell you the number of coins that have been counted into the bag.

SPECIFICATIONS:

- Construction - cast aluminum and hardened steel
- Finish - polished aluminum and textured gray enamel
- Coin Stops - 20, 25, 40, 50 coins/tokens for wrapping, plus "C" for continuous flow into a bag
- Meter - five (5) digit resettable
- Wrapping Tubes - Color Coded; in U. S. $.25, $.10, $.05, $.01; in Canada $.25, $.10, $.05
- Processes 1,800 coins per minute and can fill a bank wrapper in 4 seconds. Coin tray holds approximately 3,000 coins.
- Dimensions -
  Electric Model CE 10" W x 12" H x 15" D, (20" D open)
  Manual Model CM 10" W x 12" H x 10" D, (20" D open)
- Weight -
  Electric 22 lbs., shipping weight 27 lbs.
  Manual 14 lbs., shipping weight 19 lbs.
- Motor - Electric unit only 1/40 hp, 115 volt, 60 cycle
- Denominations - Counts, wraps or bags U. S. $1 $.25, $.10, $.05, $.01 plus .800, .882, .900, .984 tokens; In Canada, $.25, $.10, $.05, $.01. Also, U. S. and other coins and tokens up thru 26 mm in diameter and 2 mm in thickness on request.
- Electric Model Number - CE
- Manual Model Number - CM

Part Number		Price per ea.
80-0064-CE	Klopp Electric Coin Counter/Wrapper/Bagger	1245.95
80-0063-00	Klopp Manual Coin Counter/Wrapper/Bagger	1105.95
27-1319-00	Bagging Tube for Golden Dollar	64.65

THE KLOPP KONVERTIBLE ELECTRIC AND MANUAL COIN COUNTER



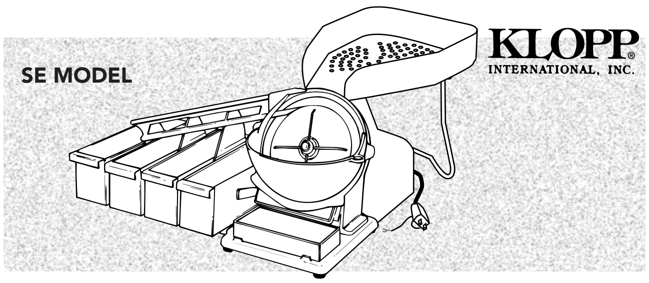
This portable coin counter wrapper-bagger can be operated electrically or manually. It's easy to convert to manual operation if electric power is not available - simply remove the hand crank from its storage location, insert it in the side of the counter housing and your ready to count. The hand crank is super easy to turn because Klopp's exclusive Pfraylea Bearing design eliminates all motor belt drag when operating manually. Klopp's positive lock-out system prevents electric coin counting operation while the hand crank is inserted into the counter. The Klopp Konvertible counts, wraps or bags $1.00, $.25, $.10, $.05, $.01 coins plus numerous tokens and non-U. S. coins, one denomination at a time. The Model KK does not sort mixed coins.

Part Number		Price per ea.
80-0309-00	The Klopp Konvertible Electric And Manual Coin Counter	1383.40
27-1319-00	Wrapping Tube for Golden Dollar	64.65

SPECIFICATIONS:

- Construction - Cast aluminum and hardened steel
- Portable - Model KK has a large hinged coin tray that folds to protect the controls from dirt or damage when not in use.
- Denominations - Counts, wraps or bags U. S. or Canada Dollar, $.25, $.10, $.05, $.01 plus .800, .882, .900, .984 and 1" tokens. Models to count the 1-1/8" token or coin/token sizes up through 26mm in diameter and 2mm in thickness are optional on request. Klopp equipment does not reject slugs or differentiate between coins/tokens of the same diameter.
- Coin Stops - 20, 25, 40, 50 coins/tokens for wrapping, plus "C" for continuous flow into a bag
- Meter - five (5) digit resettable
- Wrapping Tubes - Color Coded; in U. S. $.25, $.10, $.05; in Canada $.25, $.10, $.05
- Processes - bags 1,800 coins per minute and can fill a bank wrapper in 4 seconds. Coin tray holds approximately 3,000 coins.
- Finish - Polished aluminum and textured gray enamel
- Dimensions - 10" W x 12" H x 15" D closed , (20" D open)
- Weight - 22 lbs., shipping weight 27 lbs.
- Motor - 1/40 hp, 115 volt, 60 cycle
- Factory Warranty - One year on parts and labor at factory

KLOPP MODEL SE ELECTRIC COIN SORTER



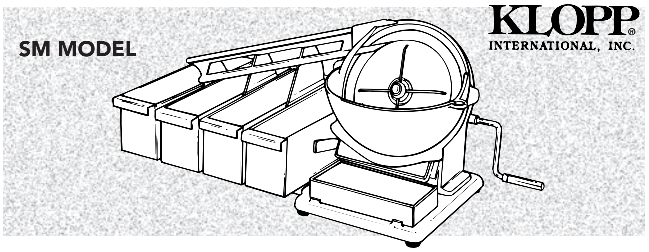
Sorts quarters, nickels, dimes and pennies, one denomination from the other (tokens optional). Pour a large quantity of mixed coins into the tray. Turn the unit on and feed mixed coins from the tray into the hopper. They will be rapidly separated into the individual removable coin boxes. Debris, mutilated and oversize coins remaining in the hopper can be easily flushed out by depressing the Clean-Out Arm. This unit does not count coins it simply sorts them.

SPECIFICATIONS:

- Construction - cast aluminum and hardened steel
- Finish - polished aluminum and textured gray enamel
- Processes 1,000 coins per minute
- Dimensions - 22" W x 14" H x 19" D
- Weight - 33 lbs., shipping weight 38 lbs.
- Denominations - Sorts U. S. or Canadian $.25, $.10, $.05, $.01. Dollar coin and other coins and tokens up through 26mm in diameter and 2mm in thickness on request.

Part Number		Price per ea.
80-0081-00	Klopp Model SE Electric Coin Sorter	1431.60

KLOPP MODEL SM MANUAL COIN SORTER



This unit has the same basic features as the Klopp Model SE Electric Sorter (Happ P/N. 80-0081-00) but it is operated with an easy-to-turn balanced crank. Since it is not equipped with a tray, mixed coins can be poured directly into the hopper. This manual coin sorter is ideal when a limited budget is a consideration. This unit does not count coins it simply sorts them

SPECIFICATIONS:

- Construction - cast aluminum and hardened steel
- Finish - polished aluminum and textured gray enamel
- Processes 1,000 coins per minute
- Dimensions - 22" W x 11" H x 10" D
- Weight - 19 lbs., shipping weight 22 lbs.
- Denominations - Sorts U. S. or Canadian $.25, $.10, $.05, $.01. Dollar coin and other coins and tokens up through 26mm in diameter and 2mm in thickness on request.

Part Number		Price per ea.
80-0202-00	Klopp Model SM Manual Coin Sorter	1105.65

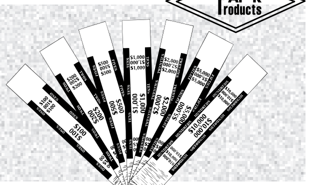
REPLACEMENT PARTS FOR KLOPP COIN COUNTERS

KLOPP INTERNATIONAL, INC.

Happ P/N	Klopp Ref.	Description	Price per ea.
42-3169-00	2-010	Drive Star	20.90
80-0261-00	3-111120	Standard Frame, Manual	7.30
80-0246-00	3-1210	Bracket Disc	42.70
80-0248-00	3-1349	Pinion Gear - Disc Shaft	19.50
80-0063-3-1360	3-1360	Rubber Inserts for Top of Count	1.55
80-0063-3-222110	3-222110	Discharge Wheel Yoke	29.25
80-0249-00	3-2110	Drive Wheel-Manual	47.75
80-0263-00	3-9010	Meter Only, as of 7/88	116.25
42-7205-00	3-9020	Knob for Coin Meter	6.45
80-0224-00	3-925110	Leg Shoulder Screw	7.80
80-0272-00	3-92550	Rubber Tip	6.30
27-1199-00	3-92590	Tray Locking Leg	18.35
80-0260-00	3-940	Bevel Gear-Drive Star Shaft	31.15
80-0256-00	4-390	Drive Belt - Motor	34.90
80-0240-00	482213	Motor, Long Shaft	316.20
80-0265-00	7-20	Trip Hinge	8.50
80-0227-00	76762	Drive Wheel, Manual	43.95
80-0249-00	76793	Drive Wheel, DE-211	47.75
80-0063-93-2210	93-2210	Lower Discharge Wheel	72.40
80-0254-00	93-40	Hopper/Horn & Shield Assembly	129.10
80-0268-00	93-420	Shield Assembly	32.30
80-0250-00	3-22250	Shaft-Discharge Wheel	7.70
80-0243-00	3-320	Rubber Base Feet	4.55
80-0242-00	3-550	Pawl Spring	12.75
80-0247-00	3-560	Spring-Coin Guide Finger	8.75
42-3170-00	3-570	Coin Guide Finger	11.20
80-0257-00	3-620	Screw - Hopper Shoulder	7.00
80-0259-00	3-630	Plate - Hopper Shoulder Screw	9.05
80-0258-00	3-640	Spring - Hopper Shoulder Screw	4.50
42-7206-00	3-740	Tube Clip	9.80
42-0262-00	3-810	Crank Collar	13.40
80-0228-00	93-530	Worm Assembly	60.65
80-0063-93-580	93-580	Upper Discharge Wheel	24.60
80-0251-00	93-6170	Guide Rail Assembly	32.35
80-0063-93-830	93-830	Crank Assembly	54.95
93-900	93-900	Meter Assembly, pre 7/88	156.00
80-1202-984	93-9129	Metal Wrapping Tube, .984 Token	55.40
80-0267-00	94-2120	Small Gear Assembly	29.80
80-1202-01	94-971	Plastic Wrapping Tube $0.01Penny	43.10
80-1202-10	94-9710	Plastic Wrapping Tube $0.10 Dime	43.10
80-1202-1	94-97100	Nylon Wrapping Tube, 1” Token	55.40
80-1202-25	94-9725	$0.05 Nickel $0.25 Quarter	43.10
80-1202-1125	94-9718	Nylon Wrapping Tube, $2 Canadian	55.40
80-1202-05	94-975	Nylon Wrapping Tube,	43.10
80-1202-882	94-97882	Nylon Wrapping Tube .882 Token	55.40
80-1202-900	94-97900	Nylon Wrapping Tube .900 Token	55.40
80-0063-99-101	99-101	Crank Handle	42.45
80-0233-00	8-40600	Belt For Coin Drive	23.40

CURRENCY BANDS

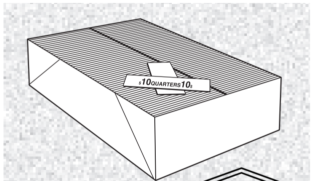
PĀP-R Products



- Great for locations that count large amounts of dollars
- Pressure sensitive adhesive
- Minimum order 1000
- 20,000 per case

Part Number		Per 1K	Case
27-1021-00	Currency Bands – $50 Imprint	4.70	4.15
27-1022-00	Currency Bands – $100 Imprint	4.70	4.15
27-1023-00	Currency Bands – $500 Imprint	4.40	3.85

COIN WRAPPERS

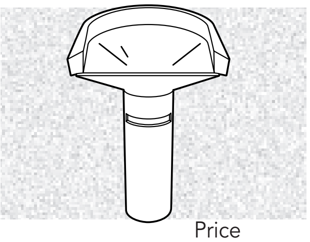


PĀP-R Products

- Top quality weather proof paper
- Tubular wrapper open with ease
- For that extra touch, imprint your name on the wrappers. No question whose money it is.
- Minimum order one box of 1,000

Part No.	Coin	Capacity	Case Qty	Per 1K	Case	L/5 Case
27-1155-00	1¢	$ .50	20k	4.15	4.05	—
27-1231-00	5¢	$1.00	30k	4.15	4.05	—
27-1046-00	5¢	$2.00	20k	4.15	4.05	—
27-1045-00	10¢	$5.00	20k	4.15	4.05	—
27-1230-00	25¢	$5.00	24k	4.15	4.05	—
27-1020-00	25¢	$10.00	16k	3.85	3.75	3.60
27-1019-XXXX Imprinted	25¢	$10.00	16k	—	5.00	4.80
27-1229-00	50¢	$10.00	12k	4.15	4.05	—
27-1351-00	$1.00	$25.00	20k	4.75	4.55	—

COIN STACKER TUBE



- Heavy duty, color-coded coin tubes counts and wraps coins in a hurry
- Hand held
- Simply add coins to fill line
- 5¢, 10¢ and 25¢ stackers sold separately

Part Number		Color	Price per ea.	L/10
27-1043-05	Coin Stacker Tube – 5¢	Blue	2.05	1.90
27-1043-10	Coin Stacker Tube – 10¢	Green	2.05	1.90
27-1043-25	Coin Stacker Tube – 25¢	Orange	2.05	1.90
27-1043-100	Coin Stacker Tube – $1.00	Gray	2.05	1.90

BRASS TOKENS

- Use tokens to free up cash
- Reduce theft
- Material: golden brass
- Available in four popular various sizes
- Minimum order 100 pieces

Part Number	Size	Price per ea.	L/500	L/1000
42-8011-00	.800 x .075	.21	.21	.20
42-0731-00	.882 x .070	.18	.18	.17
42-0700-00	.900 x .070	.18	.18	.17
42-0701-00	.984 x .060	.17	.17	.16
42-0701-01	1.00 x .060	.18	.18	.17

HAVE IT YOUR WAY!

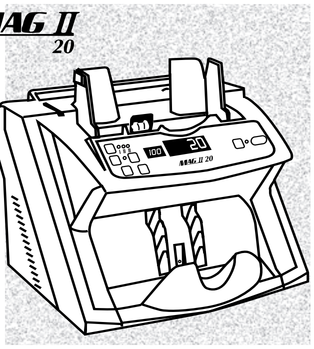
CHECK IT OUT!

Place orders when you want to - anytime!
No more phone tag,
Leisurely view past purchases,
Easily duplicate past orders,
E-mail notifications of shipments

NEW EASY-TO-USE SHOPPING CART SYSTEM AVAILABLE ON-LINE 24 HOURS A DAY

JUST GO TO OUR WEB SITE AND LOGIN happcontrols.com

MAG II CURRENCY COUNTER

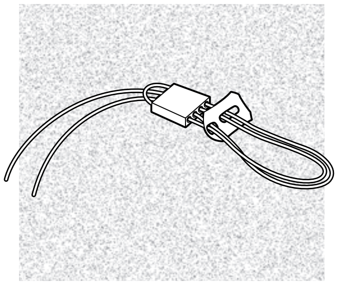


- Outstanding performance at an affordable price
- Compact, durable and easily portable
- Counts up to 1200 notes per minute
- Variable batch counting
- Automatic start
- Hopper capacity 300 notes, stacker capacity 200 notes
- Dimensions 11”W x 9.45”D x 7.68”H
- Weight 12.4 lbs.

MAGNER

Part Number		Price per ea.
80-1207-00	Magner Currency Counter - Model 20	595.00

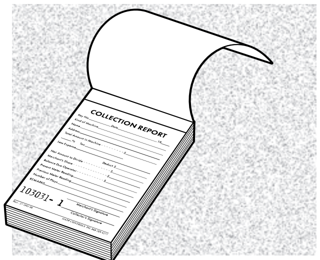
LEAD SEALS



- Seals money bags to prevent tampering with your money
- Applied with any standard sealing tool
- Lead compresses cap securely against the neck of the bag
- Minimum order 50
- 250 per case

Part Number		Price per ea.
27-1057-00	Lead Seals	.31

COLLECTION REPORT BOOK

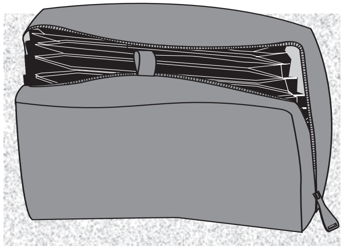


- Designed for all coin-operated machines
- 3-3/8" x 5"
- 3 sheets per set
- 50 sets per book
- Each set in numerical order
- 100 books per case

Part Number		Price per ea.	L/100
27-1041-00	Collection Report Book	1.90	1.80

NYLON POUCH WALLET

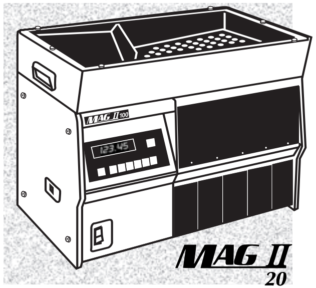
- Great for handling money or for service technicians
- Ideal for casino jackpot slips, money, rolls of coins, small tools, etc.



- Constructed of heavy-duty black imperial nylon
- Two extra large 4” belt loops on back for high security
- Five interior pockets for separation of items
- “Quick Close” with hook and loop system
- High security closure with full zipper
- Size: 8” wide x 4” high; depth 2.5” to 3.5”

Part Number		Price per ea.
80-1186-00	Nylon Pouch Wallet	36.95

MAG II COIN SORTER



- Sorts, counts and accumulates 5 U.S. coins ($.01, $.05, $.10, $.25,and $1.00 SBA)
- Great for low to medium volume jobs
- Processing speed up to 600 coins per minute
- Large inspection tray and hopper capacity
- Large 6 digit LED display
- Automatic motor shut-off
- Counting method: optical sensors
- Sorting method: gravity rail
- Memory: Total value plus individual denomination totals for sub and grand totals
- Dimensions: 19.5"W x 11.25"D x 14.25"H
- Power: 120VAC 60Hz
- Net weight: 46 lbs.

MAGNER

Part Number	Description	Price per ea.
80-1126-00	MAG II Coin Sorter	2180.65
Accessories		
80-1134-00	Locking Security Stand	546.80
80-1135-00	Machine Stand	490.25
80-1132-00	Shelf	49.15
80-1133-00	Casters (set of 4)	24.60

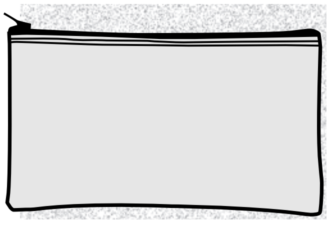
MAG II 4 IN 1 PLUS CURRENCY AUTHENTICATOR

NEW

- Mag II offers an economical and effective way to detect counterfeit money
- Detects the UV markings on all U.S.and Euro currency
- Detects the UV markings on credit cards, traveler’s checks and most state issued driver’s licenses/ID cards
- Identifies the water marks found on most new U.S. currency ($5-$100)
- Primary deterrent used by financial institutions, retailers, government agencies and hospitality firms
- Easy to use, plugs into any standard electrical outlet
- Compact design, allows it to fit in any workspace
- Unit even works in brightly lit areas
- Uses two 6-watt overhead UV lamps and one 6-watt fluorescent backlight
- Durable, heavy-duty construction

Part Number		Price per ea.
42-1383-00	Mag II 4 in 1 Plus Currency Authenticator	59.99

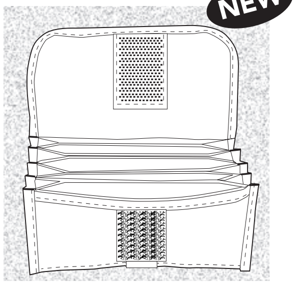
COLLECTION MONEY BAG



- Convenient 11"x 8" size
- 10 oz. Army Duck material double stitched
- Color: Red
- High quality brass zipper on long side of bag

Part Number		Price per ea.	L/12
49-0648-00	Collection Money Bag	5.60	5.15

CURRENCY WALLETS



- Five pockets for different currency denominations
- 1" wide belt loops on back
- Heavy-duty 3/4" grommet for chain
- Oversize flap closes securely with hook and loop system
- Choose from two types of material

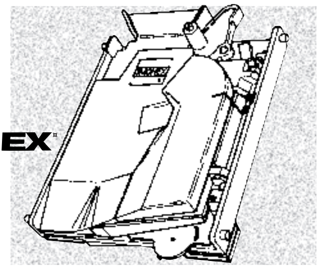
Part Number		Price per ea.
95-1148-00	Black Neoprene Coated Nylon	30.75
95-1149-00	Black Imperial Nylon	30.75

RECTANGULAR FANNY PACK

- Rectangular shape makes it great for currency
- Four large zippered pockets plus two small zippered side pockets
- Size: 9” x 5.25” x 1.25”
- Belt adjusts up to 55” waist
- Durable 900 denier polyester with PVC backed water resistant fabric
- Side pockets are great for coins
- 5-year manufacturer limited warranty
- Color: Black

Part Number		Price per ea.
95-2096-10	Rectangular Fanny Pack	20.80

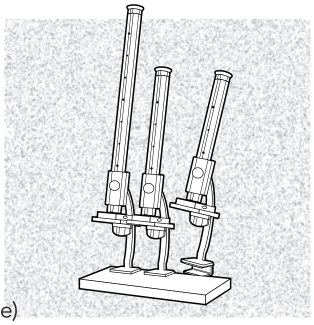
IMONEX® 3-COIN MECH



- Latest technology reduces coin jam related service calls
- Reliable – no moving parts
- Reduces machine down time and service calls
- Cleaning and maintenance free
- Accepts $.05, $.10 & $.25 U.S. Coins

Part Number		Price per ea.
42-3035-00	Imonex 3-Coin Acceptor Contin-U-Op Model 300 For use on Coinco 4-price changers	42.30
42-3034-00	Imonex 3-Coin Acceptor Contin-U-Op Model 410 For use on National cigarette machines, models 222, 800 and manual candy/pastry machines with in-line coin outlet	67.75
42-3033-00	Imonex 3-Coin Acceptor Contin-U-Op Model 630 For use on most Coinco S75 changers with in-line coin outlet with nickel flipper	41.45
42-1387-00	Imonex 3-Coin Acceptor Contin-U-Op Model 760 For use on AMI-Rowe Jukeboxes	67.75
42-1388-00	Imonex 3-Coin Acceptor Contin-U-Op Model 960 For use on most Vendo Vari-Price and NRI coin changers with in-line coin outlet without nickel flipper	45.10
426-82	ACMR Conversion Ref. No. 426-82	16.00
27-1054-00	ACMR Kit Ref. No. 526-91	24.60
27-1087-00	System Kit for National Ref. No. 302-88	49.15
42-1387-01	760 Coin Mech Quarter Only Ref. No. 965-41	69.15
42-3185-00	Contin-U-Op Model 520 Kit Ref. No. 944-33	39.50
42-8049-00	Cointron Changer, Ref. No. 960T	42.30

KWIK-KOIN COIN DISPENSERS



- Easily dispense nickels, dimes and quarters
- Diecast chrome plated mechanism
- Case hardened aluminum slide

Tube Dispenser Only (Without Base)

Part Number	Dispenses	Capacity	Price per ea.
80-1029-00	5 Nickels	$10.00	85.65
80-1048-00	5 Dimes	$20.00	77.50
80-1023-00	4 Quarters	$30.00	92.80

Base Only (Without Tube Dispenser)

Part Number		Price per ea.
80-1035-00	1-Tube Unit	25.45
80-1043-00	2-Tube Unit	27.05
80-1042-00	3-Tube Unit	29.80
80-1041-00	4-Tube Unit	59.95

KWIK-KOIN DISPENSER PARTS

Part Number		Price per ea.
80-1021-00	Quarter Cap	7.45
80-1020-00	Quarter Funnel	12.15
80-1034-00	Dime Keeper	18.70
80-1036-00	Spring	3.45

ORANGE WOOD STICK FOR CLEANING

- Used in cleaning slot machine knives, coin comparitors and in cleaning room for board soldering
- Helps remove coins out of card readers and clearing all coin jams
- Safe material for use in ESD sensitive areas; will not melt or deform at high temperatures
- Durable, yet soft enough to not mar delicate components and surfaces
- Comes 10 per pack

Part Number		Price per pack
92-2037-00	Orange Wood Stick, 10/pack	6.95

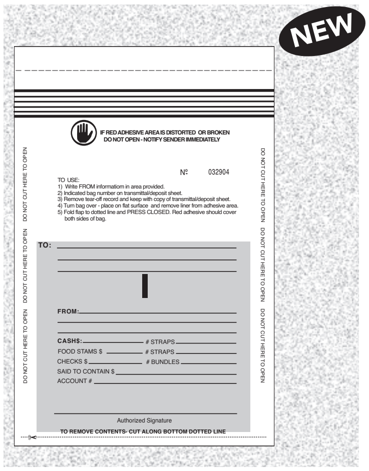
CLEAR-A-COIN STICK

- Helps clear coin jams
- Made from flexible blue plastic
- 6.5” long X .75” wide
- Can be put on key ring or chain

Part Number		Price per ea.
92-0614-00	Clear-A-Coin Stick	1.30

BANK DEPOSIT BAGS

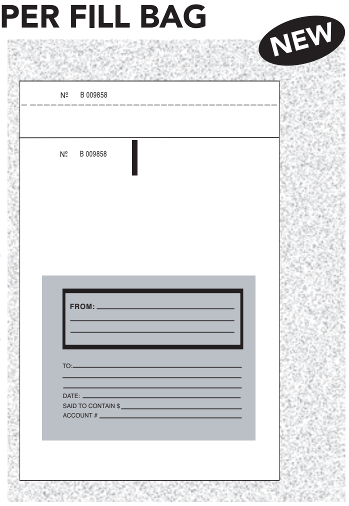
- Plastic bags primarily used for cash and checks
- Tamper evident adhesive closure
- Sequentially numbered with tear off receipt for easy tracking
- Two color imprint to record content information
- Strong 3 mil clear film
- Available in 2 sizes: 9" X 12" or 12" X 15.5"
- Packed 500 per case
- Sold by the case only



Part Number		Price per case
27-0074-00	9"x12" Bank Deposit Bag	114.45
27-0075-00	12"x15.5" Bank Deposit Bag	163.35

COIN HOPPER FILL BAG

- Super tough plastic bag for loose coins
- Tamper evident adhesive closure
- Dual sequential numbering with tear off receipt for easy tracking
- Two color stock imprint to record content information
- Made with non-slip film to prevent slipping when stacked
- Available in 2 sizes: 9" X 14" or 8" X 17"
- Film: .005 clear linear material
- Packed 500 per case
- Sold by the case only



Part Number		Price per case
27-0076-00	9"x14" Hopper Fill Bag	109.20

PLASTIC COIN DEPOSIT BAG

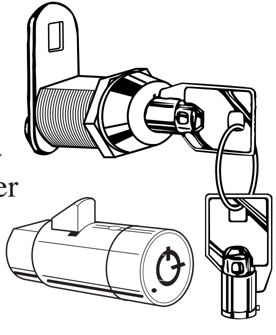
- Plastic bag for loose coin bank deposits
- Super tough 6.5 mils clear film
- Tamper evident adhesive closure
- Dual sequential numbering with barcode tear off receipt for easy tracking
- Two color stock imprint to record content information (a Federal Reserve requirement)
- Easy to use directions with illustrations
- Handy die-cut handle for easy transport
- Made with non-slip film to prevent slipping when stacked
- Available in 2 sizes: 10" X 15" or 12" X 20"
- Sold by the case only, packed 100 per case
- Federal Reserve requirements vary by location; verify this bag meets requirements in your area

NEW
Location #:
Date:
Amount:
Prepared By:
№ 010951
Tamper-Evident
Tamper-Evident
Tamper-Evident
STOP
Warning! This container is tamper-evident. Attempt at entry through force solvents or chemicals will show visible signs of tampering. Please notify sender immediately.
COIN BAG
DEPOSITOR INSTRUCTION:
To:
From:
Branch #:
Date:
Approved by:
Amount:
BAG
OF
TO REMOVE CONTENTS - CUT ALONG BOTTOM DOTTED LINE
-DO NOT CUT HERE TO OPEN-

Part Number		Price per case
27-0113-00	10"x 15" Plastic Coin Deposit Bag(Capacity: 500 quarters)	31.20
27-0112-00	12"x 20" Plastic Coin Deposit Bag(Capacity: 1,000 quarters)	55.95

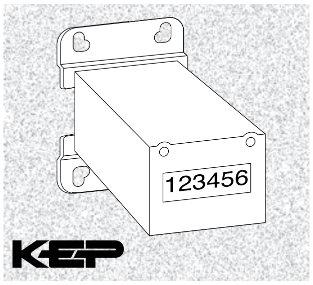
HAPP CONTROLS LOCK DEPARTMENT

Happ Controls now has it's own lock assembly department. We offer fast turn around on 7-pin tumbler locks. Most custom lock orders can be shipped within 48 hours. Happ locks can be keyed to your existing 7-pin tumbler key, if we receive a sample key with your order. Our 7-pin tumbler locks offer high security at a reasonable price. For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company.

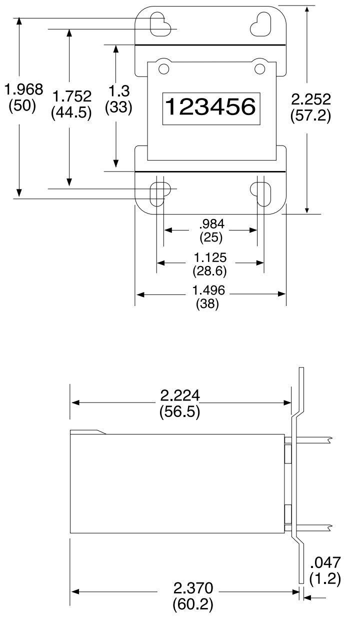


KESSLER ELLIS 6-DIGIT METER

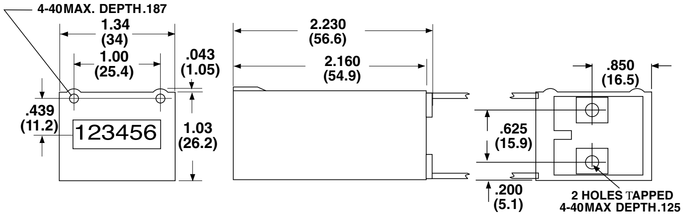
- Electric, non-resettable counter
- 6 digit, counts to 999,999, then repeats
- 600 counts per minute
- With mounting bracket
- With or without diode
- 10" wire leads



6-DIGIT METER W/BRACKET DIMENSIONS

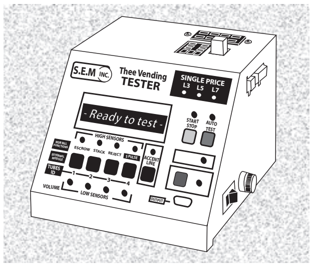


6-DIGIT METER WITHOUT BRACKET DIMENSIONS



Part Number	Voltage	Bracket	Diode	Price per ea.	L/24
42-1168-00	4.5/6 DC	Yes	No	5.70	5.30
42-2093-00	4.5/6 DC	Yes	Yes	6.15	5.85
42-2093-01	4.5/6 DC	No	Yes	6.30	6.00
42-0614-00	12 DC	Yes	Yes	6.15	5.85
42-0092-00	12 DC	Yes	No	5.80	5.45
42-6914-00	12 DC	No	Yes	6.15	5.85
42-1317-00	24 DC	Yes	No	5.80	5.45
42-3140-00	24 AC	Yes	No	6.75	6.45
42-7032-00	24 DC	Yes	Yes	7.15	6.55
42-1396-00	48 AC	Yes	No	6.90	6.60
42-1167-00	120 AC	Yes	No	6.75	6.45
42-1169-00 (72" Leads)	120 AC	Yes	No	7.40	7.10

CT2 COIN CHANGER & BILL VALIDATOR TESTER



- Vending tester equipped with the latest technology capable of testing most makes of coin changers and bill acceptors
- Avoid unnecessary and costly trips to service centers
- Pays for itself within a short time
- The CT2 can test Single Price 120V coin changers, Logic 24V and 117V with 12 or 15 pins, MDB coin changers and bill acceptors
- It even tests most pulse type bill validators with the External Bill Validator Module available below.
- Auto Test feature takes you step-by-step through the testing process
- S.E.M. Short Protection System electronically detects power surges thereby reducing the risk of damage to the item and the tester.

Compatibility:

Single Price 120 VAC	Yes
Logic 24 VDC 12 Pins	Yes
Logic 24 VDC 15 Pins	Yes
Logic 117VDC 12 Pins	Yes
MDB Coin	Yes
MDB Bill	Yes
Pulse Type Bill Validator 120V with EBVM	Yes
Pulse Type Bill Validator 24V With EBVM	Yes

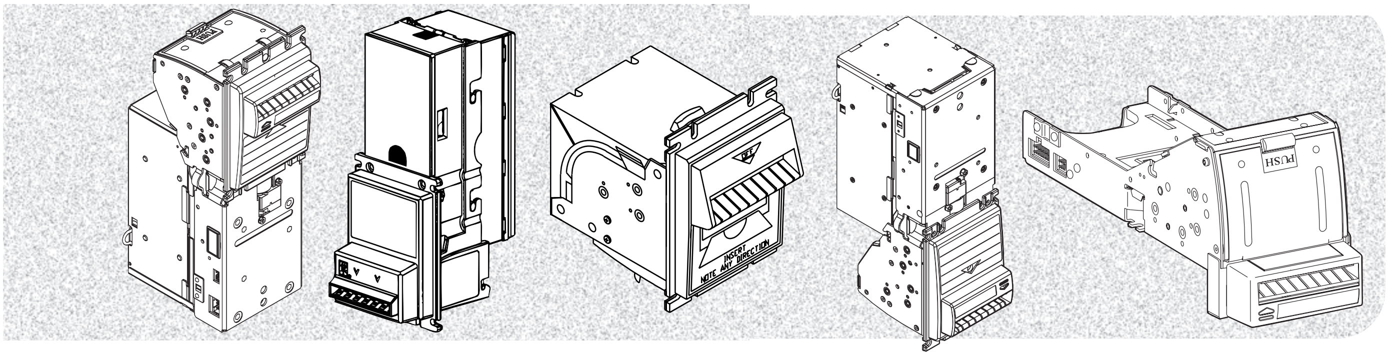
Specifications:

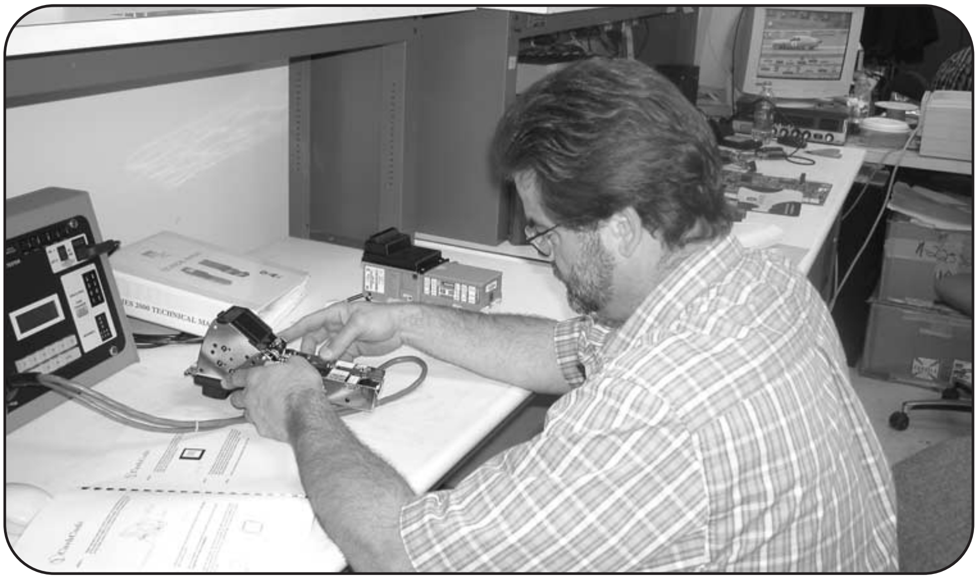
Dimensions: 7” wide x 5.75” high x 8” deep
Shipping Weight: 9 lbs
Input Power: 120V 60Hz
LCD Display: 2 x 20 with back light

Part Number		Price per ea.
92-0341-00	CT2 Coin Changer & Bill Validator Tester	675.25
92-0339-00	External Bill Validator Module (EBVM) For Pulse Type Bill Validators	132.65
92-0340-00	Changer Stand	95.50

HAPP CONTROLS
is an authorized
Better Vendors Association
SUPPLIER

BILL VALIDATOR SERVICE CENTER





- **Factory authorized service for CashCode and MEI bill validators**
- **Quick turnaround time**
- **30 day warranty on all repairs**
- **Factory trained technicians**
- **Repair cost is $37.50 plus parts**
- **Repairs are done in our Elk Grove service center**

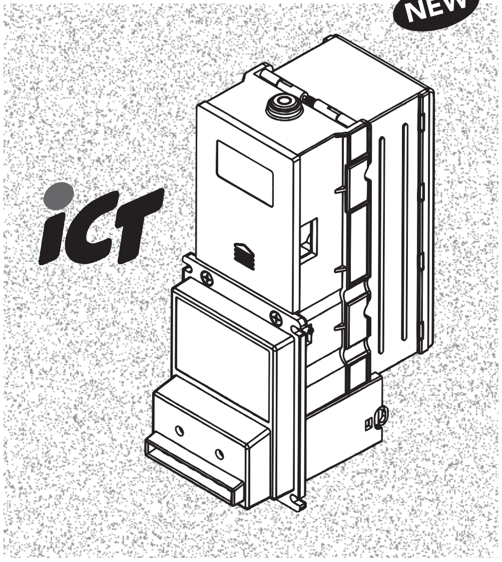
CashCode® mei™

SEND UNITS TO BE REPAIRED TO:

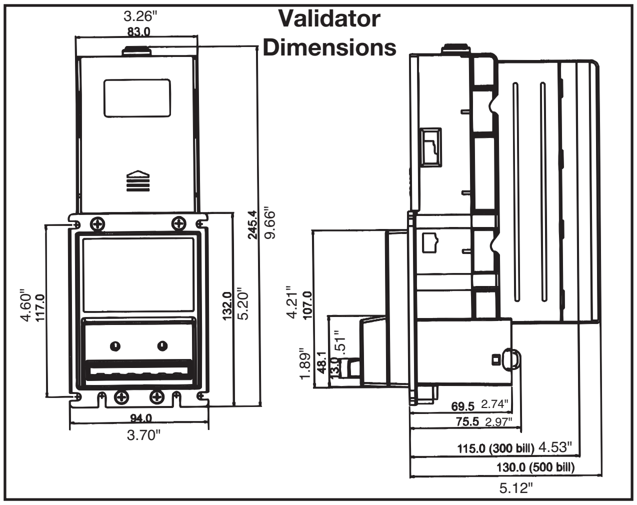
Happ Controls Service Center
106 Garlisch Drive
Elk Grove, IL 60007

ICT VENDING VALIDATOR WITH UPSTACKER

- Accepts US $1 & $5 bills
- Bills can be inserted 4-ways
- Accepts new currency
- High Acceptance rate: 96% or better
- Fast validation time of 3 seconds (including bill stacking)
- 300 bill capacity upstacker
- Optic sensors read both sides of the bill for added security
- Auto self-adjusting sensor system
- Re-programmable flash ROM
- Easily accessible dip switches
- Lighted bezel makes bill insertion easy
- Bill path is easily accessible by pressing two buttons
- Complete with mounting plate, hardware, decals, and power cord
- Easy installation and low maintenance
- Handy 8-pin RJ-45 connector on the side of the bill validator for downloading programs and updating validation software
- Standard Vending protocol MDB (Multi-Drop Bus)
- 24VDC



Part Number	Model	Bill Capacity	Bezel	Voltage	Price per ea.
42-3702-00	V6-33SOM-US2	300	Standard	24VDC	250.00

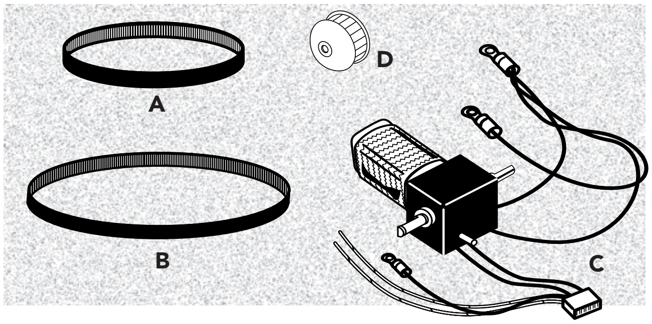

Validator Dimensions

ARDAC REBUILDING KIT

Part Number		Price per ea.
27-1210-00	Ardac Bill Changer Rebuilding Kit for USA 3, USA 15, 24V DBA, MDB	81.55

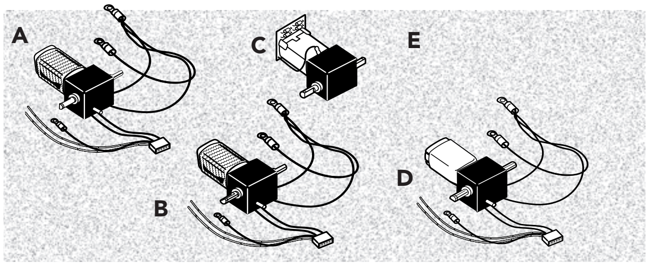
Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number		Qty. Incl.	Price per ea.
A	29X121	Idler Belt	2	3.05
B	29X174	Drive Belt	2	3.85
C	2X5007-USA	USA Transport Motor	1	75.25
D	17X983	Drive Belt Idler Pulley	1	4.66



ARDAC REPLACEMENT PARTS

Item Key	Number	Description	Price per ea.
A	2X5007-USA	USA Transport Motor	75.25
B	2X6047-DBA	DBA Transport Motor	72.95
C	2X4598	DBA + USA Stacker Motor	41.50
D	2X6500	MDB Transport Motor	69.35
	42-3188-00	Mag Head, 2X4208	81.25



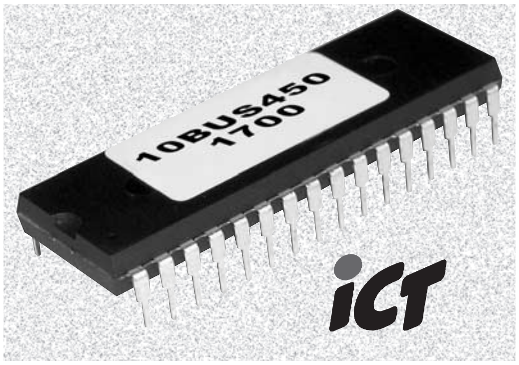
ICT A6/V6 NEXGEN $20 UPGRADES ICT FLASH PROGRAMMING MODULES (FPM)

- On October 9, 2003 the Bureau of Engraving and Printing introduced the new NexGen $20 Bill
- Re-programming your ICT A6 or V6 bill validators is easy with the ICT Flash Program Module
- Start upgrading your Bill Validators today
- You can quickly and easily update your A6 or V6 ICT Bill Validators
- The FPM's flash download new software directly into the Bill Validator via the included interconnect cable
- Kit Includes:
  Flash Programming Module with NexGen $20 software
  Interconnect cable
  ICT "New Currency Ready" label to place on validator after updated

Part Number		Price per ea.
FP001-A6	Flash Programming Module (FPM) V6	175.00
FP001-V6	Flash Programming Module (FPM) A6	153.00

ICT BL700 NEXGEN $20 EPROM UPGRADES

- Upgrade your BL700 Bill Validators with new NexGen $20 updated EPROMS
- Changing the EPROM is easy, simply open the access cover, lift out the old EPROM, re-insert the new EPROM, replace the access cover and you are ready to accept the new NexGen $20 bills
- Includes: ICT "New Currency Ready" Label to place on validator after updated

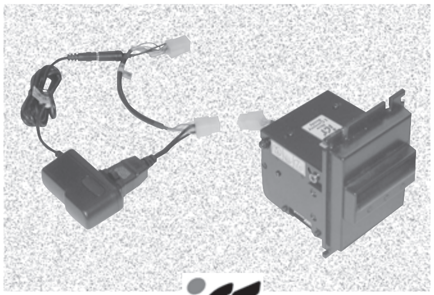


Part Number		Price per ea.	L/10
BL700-$20NEXGEN	ICT NexGen $20 EPROM update	15.65	13.95
42-1288-00	ICT anti-stringing security bracket	4.99	3.99

ICT 110VAC TO 12VDC CONVERSION HARNESS

NEW

- Now it's easy to use an ICT validator with an existing MEI harness
- Converts the MEI 110VAC harness to a 12VDC ICT application
- This is an easy plug and use system, no cutting or soldering required



Part Number		Price per ea.
42-0988-00	ICT 110VAC to 12VDC Conversion Harness	Call for Pricing

Visit Our Web Site:
for NEW
Product Updates!!
HAPP
VISIT OUR WEBSITE

CashCode®

BILL VALIDATORS

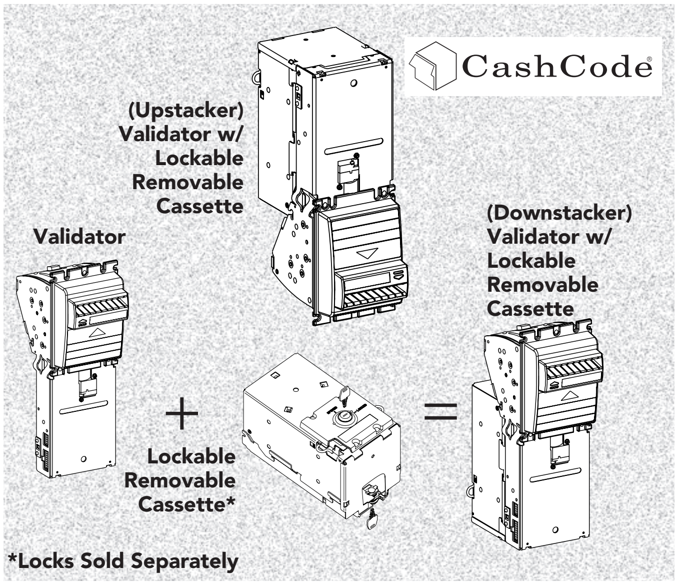
CashCode manufactures the most reliable, accurate and serviceable bill validators in today's global market. Designed for domestic and international currency validation. CashCode's Amazing Series Bill Validators feature the latest advances in bill validation technology.

Standard Features:

- 12-Point Self Diagnostic front color LED - Takes the guess work out of why a validator is not functioning - checks for user failure or mechanical failure
- Patented Non-Contact magnetic sensing - No pinch rollers - Reduces the likelihood of jamming
- Patented design incorporates multiple optical and magnetic sensors. Scans both sides of the bill simultaneously, maximizing detection of counterfeit bills
- Maintains magnetic sensor recognition system in non-magnetic currency validators for maximum security
- Patented Clam Shell design allows easy access to bill path, one push and it's open, no tools required
- Auto tuning and calibration on every bill insertion
- Stacker and cassette designed into one LRC (Lockable, Removable Cassette)
- Anti stringing protection
- Four way bill acceptance (all models) maximum acceptance rate of street grade bills: 96% on first insertion and 99% on second attempt
- Serial, Pulse and RS232 interfaces available
- Interfaces and denominations switch selectable
- Software socketed EPROM
- Maximum time between servicing, validator mean time between failures 1.2 million cycles and LRC mean time between failures 2 million cycles
- 36" harness with flying leads included
- Decal included
- Locks available
- One year warranty
- International models available: Brazil, Canada, Colombia Chile, Mexico, Venezuela
  Please inquire for additional countries

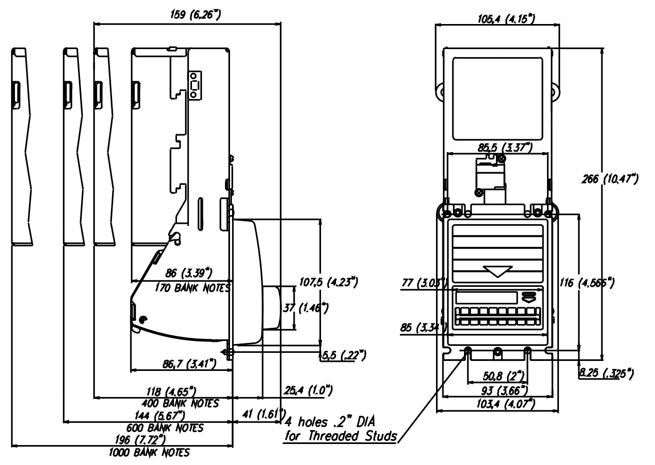
CashCode UNV STACKER SERIES

- Standard features list above plus:
- **New Universal (UNV)** Streamline design can be used in either upstacker or downstacker configurations.


CashCode®
(Upstacker) Validator w/ Lockable Removable Cassette
Validator
+
Lockable Removable Cassette*
=
(Downstacker) Validator w/ Lockable Removable Cassette

*Locks Sold Separately

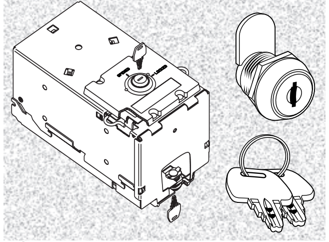
STACKER VERSION DIMENSIONS



Part Number	Model	CashCode Part Number	Voltage	To Accept	Price per ea.
42-8236-00	Amazing 125 UNV W/O LRC (Lockable Removable Cassette (LRC) sold separately)	US5-MCP-ST03-ML	24vdc (MDB)	$1,$2,$5,$10,$20/Four-ways	320.00

LOCKABLE REMOVABLE CASSETTES (LRC)

LRC pictured with locks
(Locks sold separately)



See page 115 for locks

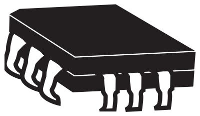
Part Number		Width	Capacity	Cash Code #	Price per ea.
42-6958-00	Lockable Removable Cassette (LRC)	67mm	400 Bills	CST400-67	91.50
42-6959-00	Lockable Removable Cassette (LRC)	67mm	600 Bills	CST600-67	103.10
42-6960-00	Lockable Removable Cassette (LRC)	67mm	1,000 Bills	CST1K067-COL	115.80
42-7314-00	Lockable Removable Cassette (LRC)	67mm	600 Bills	CST-600-67-GOL	140.10
42-8094-00	Gaming LRC	67mm	600 Bills	CST-600-67-GOL	140.10
42-6998-00	Lockable Removable Cassette (LRC)	71mm	400 Bills	AMZCST400-71	86.85
42-3289-00	Lockable Removable Cassette (LRC)	71mm	600 Bills	AMZCST600-71	108.85
42-3231-00	Lockable Removable Cassette (LRC)(CAN)	71mm	1,000 Bills	AMZ-CND-VAULT-1000	127.40
42-2046-00	Lock Mounting Kit to prevent removal of stacker from acceptor			AMZUSA-CC001	24.35

Note: 67mm Width bills for USA Currency, 71mm Width bills for Canada Currency

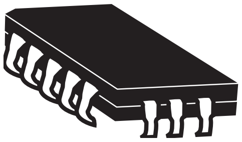
CASHCODE NEXGEN $20 UPGRADES

**On October 9, 2003 the Bureau of Engraving and Printing introduced the new NexGen $20 bill.
Keep your CashCode bill validators functioning properly and avoid any lost revenue by updating today!**

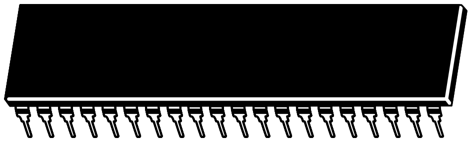
- Three different EPROM updates available depending on your model:



EPROM



PLCC



DIP

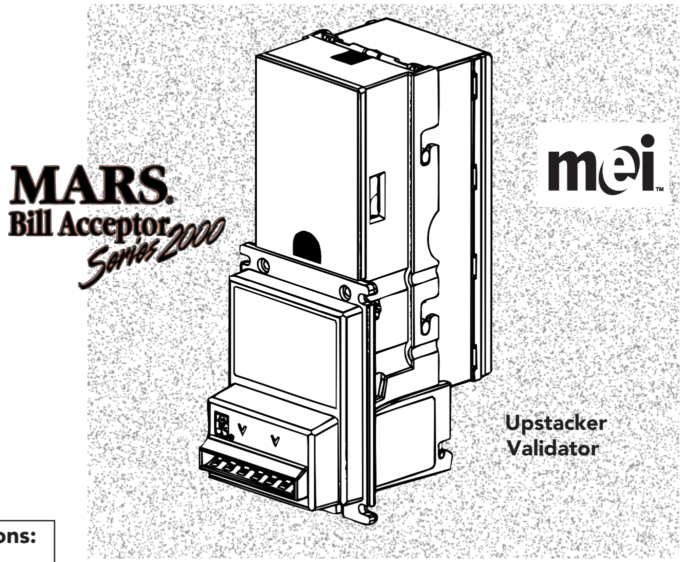
Happ Controls NexGen $20 Update Part Number	Type	Model	CashCode Bill Validator Part Number	CashCode Update Part Number	Price per ea.
Stacker Models					
42-0918-00	EPROM	ST07, USA-1100	US6-DSR-ST07-Mxx (42-6972-00 & 42-6966-00)	US6R_S40	14.00
42-0920-00	PLCC	ST07, USA-PLUS	US4-CSP-ST07-Mxx (42-6965-00 & 42-6970-00)	US4A_S40	30.00
Stackerless Models					
42-0921-00	PLCC	BV05, USA-PLUS	US4-CS0-BV05 (42-6952-00)	US4XA_40	30.00
Stacker 24Volt MDB Models					
42-0924-00	PLCC	ST03, USA-MDB	US5-MCP-ST03-Mxx	US5B_S44	30.00
Older 12 Volt Stacker Models					
42-0928-00	EPROM	ST07, USA-1100 (Wire)	AMZ-USA-1100-UNV;SD(U) Older 42-6972-00	US60A_40	15.00
42-0935-00	PLCC	ST07, USA-PLUS (Wire)	AMZ-USA-PLUS-UNV;SD(U) (Older 42-6970-00)	US40A_40	35.00
42-0945-00	MC (DIP)	ST01, USA-PLUS (Wire)	ST-D/S-USA/AMZ/-2A	US41A_40	45.00

DO YOU WANT TO KNOW EACH TIME YOUR ORDER SHIPS OUT?

e-mail notification and order **tracking information** is now available from Happ Controls! Contact your sales representative or e-mail our customer service department at:
info@happcontrols.com
with your account information.

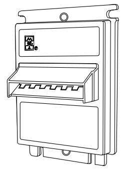
MARS BILL VALIDATORS-VN SERIES

- Advanced sensing technology allows high acceptance rate by accepting torn, wrinkled, faded, damp, dirty, limp, folded or mutilated bills
- Non-contact optical sensors eliminate pinch rollers offering a smooth bill path that reduces jams
- Low Maintenance: Streamlined recognition system sensors are embedded under the smooth plastic bill path and the magnetic pinch roller has been eliminated dramatically reducing debris buildup and the need for cleaning
- Security: Fully-encased optical sensors check paper type and the printing on both sides of the bill, while optical cross channel sensors examine the bill path for foreign objects such as clear tape or strings. This bill validator rejects most of the known counterfeits accepted by ordinary bill acceptors - through the use of multiple wavelength optical sensing and sophisticated data processing
- Fully accessible bill path
- Lighted bezel with easy-to-read diagnostic lamps
- Easy-to-use dip switch settings and coupon configuration
- Holds rejected bills
- Self-generated jam-clearing function
- Flexible interfacing available to accommodate various vending interfaces and communicate with a coin changer
- Fully contained control box
- Expandable upstacker magazine
- Locking hasp available
- Accepts bills in any direction
- 1 Year Warranty

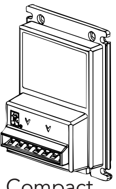


Upstacker Validator

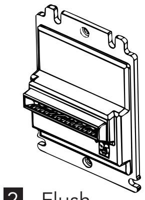
Bezel Options:



0 – VFM Bezel

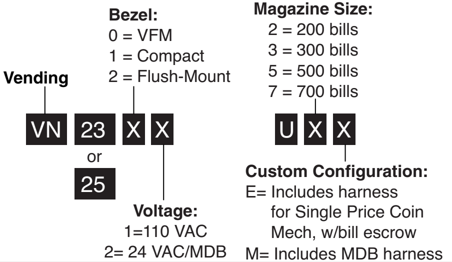


1 – Compact Bezel



2 – Flush Mount

Configuration Key



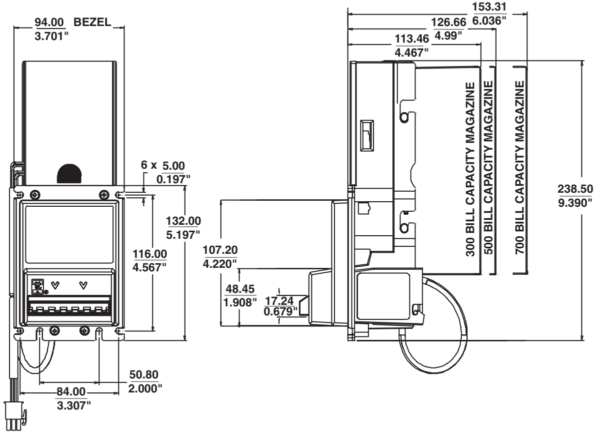
Bezel:
0 = VFM
1 = Compact
2 = Flush-Mount

Magazine Size:
2 = 200 bills
3 = 300 bills
5 = 500 bills
7 = 700 bills

Voltage:
1=110 VAC
2= 24 VAC/MDB

Custom Configuration:
E= Includes harness for Single Price Coin Mech, w/bill escrow
M= Includes MDB harness

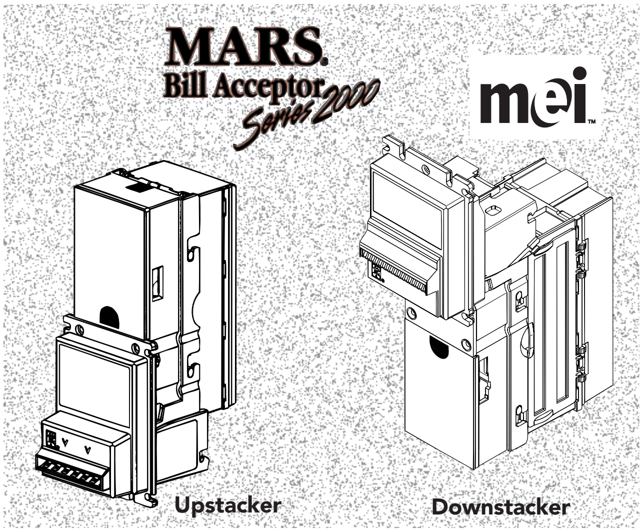
Validator Dimensions
VN2500 Upstacker w/Compact Bezel



Part Number	Model	To Accept	Bill Capacity	Voltage	Price per ea.
42-3255-00	VN-2312-U3M	$1, $2	300 Bills	24VAC	404.00
42-1342-00	VN-2501-U2E	$1, $2 & $5	200 Bills	110VAC	429.00
42-1343-00	VN-2501-U3E	$1, $2 & $5	300 Bills	110VAC	428.97
42-1344-00	VN-2501-U5E	$1, $2 & $5	500 Bills	110VAC	439.00
42-3127-00	VN-2501-U7E	$1, $2 & $5	700 Bills	110VAC	445.00
42-3254-00	VN-2502-U2E	$1, $2 & $5	200 Bills	24VAC	424.00
42-3253-00	VN-2502-U2M	$1, $2 & $5	200 Bills	24VAC	424.00
42-3252-00	VN-2502-U3E	$1, $2 & $5	300 Bills	24VAC	424.00
42-3251-00	VN-2502-U3M	$1, $2 & $5	300 Bills	24VAC	418.65
42-3250-00	VN-2502-U5E	$1, $2 & $5	500 Bills	24VAC	449.00
42-3249-00	VN-2502-U7E	$1, $2 & $5	700 Bills	24VAC	424.00
42-2007-00	VN-2511-U2E	$1, $2 & $5	200 Bills	110VAC	424.00
42-2036-00	VN-2511-U3E	$1, $2 & $5	300 Bills	110VAC	433.95
42-3248-00	VN-2511-U5E	$1, $2 & $5	500 Bills	110VAC	418.98
42-3247-00	VN-2512-U2M	$1, $2 & $5	200 Bills	24VAC	429.00
42-3246-00	VN-2512-U3M	$1, $2 & $5	300 Bills	24VAC	428.95
42-3245-00	VN-2512-U5E	$1, $2 & $5	500 Bills	24VAC	429.06
42-3244-00	VN-2512-U5M	$1, $2 & $5	500 Bills	24VAC	429.00
42-3243-00	VN-2521-U2E	$1, $2 & $5	200 Bills	110VAC	419.00
42-3242-00	VN-2521-U3E	$1, $2 & $5	300 Bills	110VAC	429.00
42-3241-00	VN-2521-U5E	$1, $2 & $5	500 Bills	110VAC	439.00
42-3240-00	VN-2522-U3E	$1, $2 & $5	300 Bills	24VAC	434.00
42-3239-00	VN-2522-U3M	$1, $2 & $5	500 Bills	24VAC	434.00

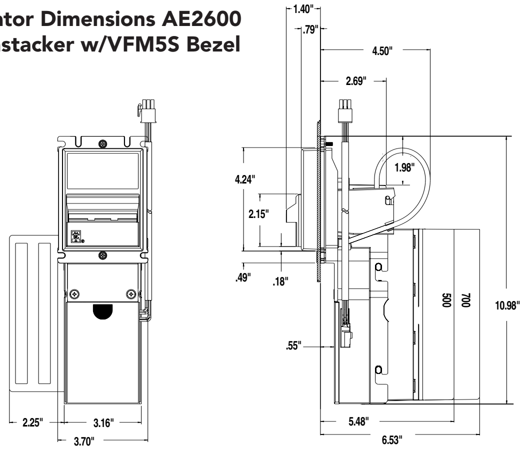
MARS BILL VALIDATORS-AE2600 SERIES

- High, secure 4-way acceptance of $1, $2, $5, $10, $20 bills
- Advanced sensing technology allows high acceptance rate by accepting torn, wrinkled, faded, damp, dirty, limp, folded or mutilated bills
- Non-contact optical sensors eliminate pinch rollers offering a smooth bill path that reduces jams
- Low Maintenance: Streamlined recognition system sensors are embedded under the smooth plastic bill path and the magnetic pinch roller has been eliminated dramatically reducing debris buildup and the need for cleaning
- Security: Fully-encased optical sensors check paper type and the printing on both sides of the bill, while optical cross channel sensors examine the bill path for foreign objects such as clear tape or strings. This bill validator rejects most of the known counterfeits accepted by ordinary bill acceptors - through the use of multiple wavelength optical sensing and sophisticated data processing
- Bezel option “0” allows for drop-in replacement for the VFM4 Upstacker Validator contains both gaming (MEI gaming) and vending (MDB) interfaces
- Flash memory programmable. As more new U.S. bill designs are released, the validator can easily be updated in the field
- Fully accessible bill path
- Lighted bezel with easy-to-read diagnostic lamps
- Easy-to-use dip switch settings and coupon configuration
- Holds rejected bills
- Self-generated jam-clearing function
- Fully contained control box
- Expandable upstacker or downstacker magazine
- Flexible interfacing available to accommodate various vending interfaces and communicate with a coin changer
- Locking hasp available
- Accepts bills in any direction
- 1 Year Warranty

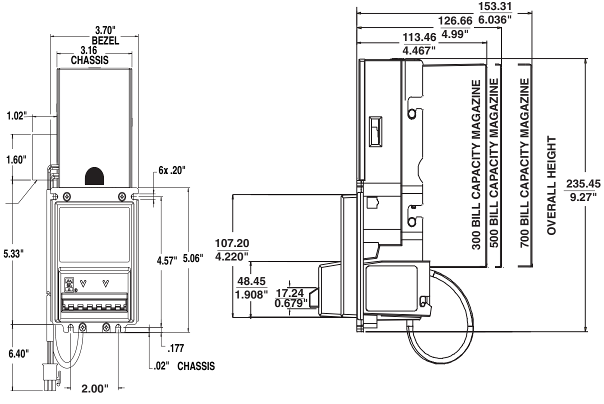


Upstacker **Downstacker**

Validator Dimensions AE2600 Downstacker w/VFM5S Bezel



Validator Dimensions AE2600 Upstacker w/Compact Fitted Bezel



Configuration Key

Amusement and Entertainment

Bezel:
0 = VFM
1 = Compact
3 = VFM5S Downstacker
5 = Compact Fitted

AE 26 X X

Voltage:
1=110 VAC
2= 24 VAC/MBD

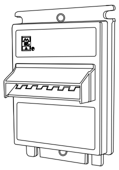
Stacker:
U = Upstacker
D = Downstacker

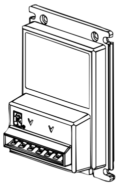
Magazine Size:
2 = 200 bills
3 = 300 bills
5 = 500 bills
7 = 700 bills
10 = 1,000 bills

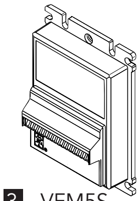
X X

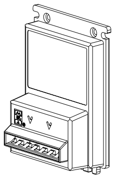
Custom Configuration:
E= Single Price Harness
M= Includes MDB harness

Bezel Options:


0– VFM Bezel


1– VFM Compact Bezel


3– VFM5S Downstacking Bezel


5– Compact Fitted Bezel

Part Number	Model	To Accept	Bill Capacity	Voltage	Price per ea.
42-7376-00	AE-2601-U3E	$1, $2, $5, $10 & $20	300 Bills	110VAC	496.00
42-7377-00	AE-2601-U5E	$1, $2, $5, $10 & $20	500 Bills	110VAC	510.00
42-7378-00	AE-2601-U7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	524.05
42-7379-00	AE-2602-U5E	$1, $2, $5, $10 & $20	500 Bills	24V	510.00
42-7380-00	AE-2602-U7E	$1, $2, $5, $10 & $20	700 Bills	24V	524.00
42-8160-00	AE-2611-U3E	$1, $2, $5, $10 & $20	300 Bills	110VAC	496.05
42-7310-00	AE-2611-U7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	524.04
42-3664-00	AE-2611-U10E	$1, $2, $5, $10 & $20	1000 Bills	110 VAC	583.05
42-7312-00	AE-2651-U3E	$1, $2, $5, $10 & $20	300 Bills	110VAC	496.01
42-7311-00	AE-2651-U5E	$1, $2, $5, $10 & $20	500 Bills	110VAC	509.95
42-7382-00	AE-2631-D5E	$1, $2, $5, $10 & $20	500 Bills	110VAC	510.04
42-7383-00	AE-2631-D7E	$1, $2, $5, $10 & $20	700 Bills	110VAC	524.00

MEI BILL PROGRAMMING MODULES (BPM)

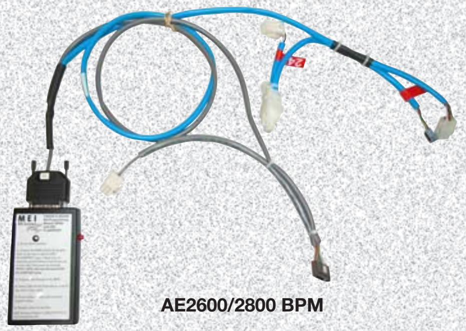
MEI MAKES REPROGRAMMING SIMPLE WITH THEIR NEW BPM'S

- You can quickly and easily update your Series 2600, 2800 and 3000 MEI Bill Validators
- The BPM's flash download new software directly into the bill validator via the included interconnect cable
- A refundable deposit of $149.00 for the BPM is required
- BPMs must be returned within 60 days for the credit of $149.00
- Once all the credits have been used, you can return your BPM for credit with a proper RMA
- **No refund issued for unused credits**
- Kit includes:
  - Bill Programming Module with credits
  - Interconnect cable
  - "New Currency Ready" green or orange label

NEW CURRENCY READY

NEW CURRENCY READY V2

Part Number		Price per ea.
BPM-AE2000-05	AE2600/2800 BPM w/5 Credits	75.00*
BPM-AE2000-10	AE2600/2800 BPM w/10 Credits	150.00*
BPM-AE2000-15	AE2600/2800 BPM w/15 Credits	225.00*
BPM-AE2000-20	AE2600/2800 BPM w/20 Credits	300.00*
BPM-AE2000-25	AE2600/2800 BPM w/25 Credits	375.00*
BPM-AE2000-50	AE2600/2800 BPM w/50 Credits	500.00*
BPM-AE2000-100	AE2600/2800 BPM w/100 Credits	1000.00*
BPM-AE2000-150	AE2600/2800 BPM w/150 Credits	1500.00*
BPM-AE2000-200	AE2600/2800 BPM w/200 Credits	2000.00*
BPM-AE2000-250	AE2600/2800 BPM w/250 Credits	2500.00*
BPM-LE3000-100	LE3800/3900 BPM w/100 Credits	1000.00*
BPM-DEPOSIT	*Deposit for BPM	149.00
	(Credit to be applied if returned within 60 days)	



AE2600/2800 BPM

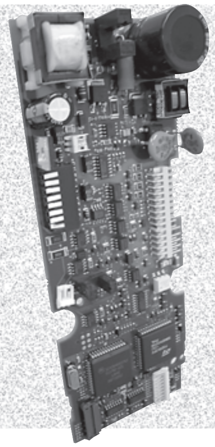
LE3800/3900 BPM

LET HAPP CONTROLS DO THE UPGRADE FOR YOU!
MEI-NEXGEN-PROG $25.00

CONTROL BOARD UPGRADE WITH EXPANDED CAPABILITIES FOR MEI AE2600 BILL VALIDATORS

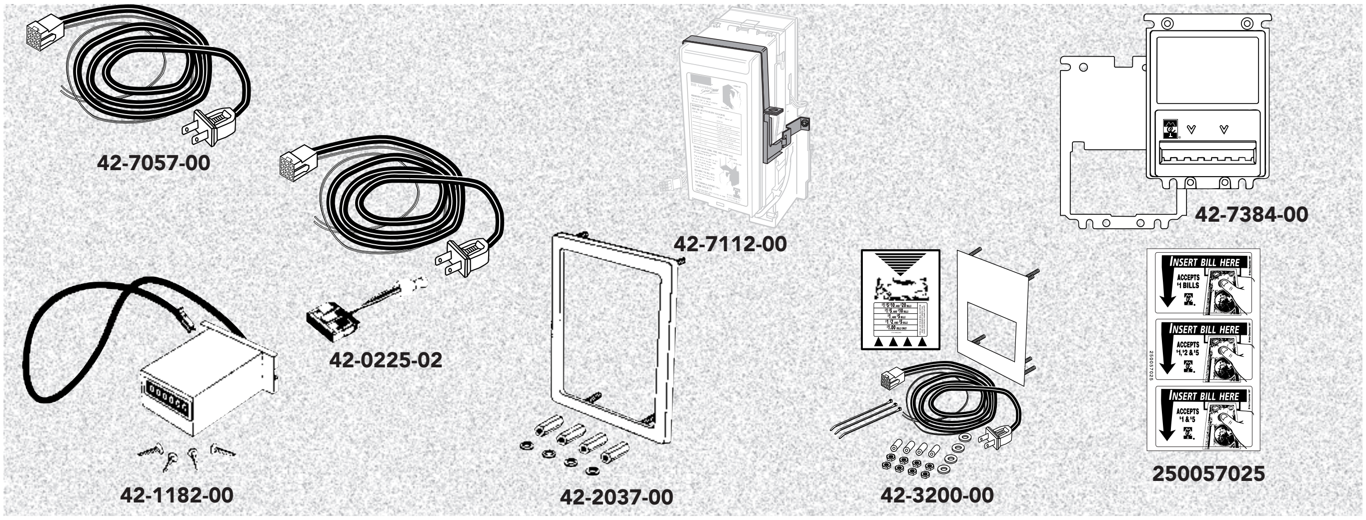
This new control board upgrade adds new features to existing AE2600

- Software programmed to take NexGen $20
- Ability to accept MEI custom coupons used for refunds, promotions, etc.
- Additional memory to accept future upgrades,- $5 & $10 is under redesign evaluation (the memory on current AE2600 is near capacity)
- Hard reset capability
- Available for either 115v or 24v MEI AE2600 validators



Part Number		Price per ea.
42-0740-00	Control Board Upgrade – 24v	90.00
42-0741-00	Control Board Upgrade – 115v	93.00

MARS BILL VALIDATORS-ACCESSORIES



Part Number	Mars Part Number	Description	Price per ea.
AE & VN Series Accessories			
42-7384-00	-	Bezel Modification Kit for Series 2000 Validator to allow Validator to fit into Happ Controls Validator Door	42.00
42-7112-00	-	Happ metal locking hasp for Mars AE & VN Series 2000 with Compact Bezel (Bezel option Number 1) or Fitted Bezel (Bezel option 5)	29.75
42-3200-00	-	Mounting Kit for Mars Series 2000 Upstacker with either Compact Bezel (Bezel Option #1) or Compact Fitted Bezel (Bezel option 5)	20.85
250011049	250011049	Bezel Assy For down Stacker	16.00
250021015	250021015	Timing Belt, Large for Mars Series 2000	5.55
250023014	250023014	Timing Belt, Small for Mars Series 2000	2.25
250025018	250025018	Blue Magazine Clip for Mars Series 2000 Magazines	.82
250044003	250044003	Spring for Blue Magazine Clip for Mars Series 2000 Magazine	.20
250055026	250055026	Label Set for VN Series Validators	2.10
250057025	250057025	Mars Yellow Label Set $1, $2, $5 for VN2000 Series	.59
250059046P	250059046P	Label Set for AE 2600 Validators	.98
250060042	250060042	500 Bill Magazine for AE Downstacker Validators	46.78
250-061-016	250061016	300 Bill Capacity Magazine for AE & VN Upstacker Validators	41.95
250-063-015	250063015	200 Bill Capacity Magazine for AE & VN Upstacker Validators	25.55
250064028	250064028	Stacker Motor For 2000 Series	24.95
250064084	250064084	500 Bill Magazine Downstacker Enhanced Version	40.55
250066083	250066083	%00 Bill Magazine Upstacker Enhanced Version	40.55
42-3297-00	250066027	Mars Blue Plastic Locking Hasp Kit for Series 2000 VN & AE Magazine (2 Per Box)	49.00
250-068-021	250068021	700 Bill Capacity Magazine for AE & VN Upstacker Validators	49.99
250068043	250068043	700 Bill Magazine for AE Downstacker Validators	49.99
250-069-017	250069017	500 Bill Capacity Magazine for AE & VN Upstacker Validators	45.00
42-3141-00	250070006	Mars Power Harness for Series 2000 Validators	17.40
42-7224-00	250071009	MDB Harness, 24v for VN23 & VN 25 Validators	23.10
42-3391-00	250079049	RS232 Interface Cable for AE 2600 Series	52.45
250067013	250067013	Mars Bezel Kit For Series 2000	20.95
250068009	280068009	Happ pulse meter kit for Mars Series 2000 (Models with 110v Only)	24.65
Other Miscellaneous Accessories			
42-7057-00	01-12-139	Mars Harness, 2 Wire Line Cord & Credits with Plug	9.70
42-0225-02	01-12-148	Mars Harness, 2 Wire Line Card with Plug + Inhibit Plug	18.55
42-7303-00	04-02-020	Gear Helical for stacker motor for LO Series	1.80
42-3134-00	112511042	Mars Harnesses, 110 v	26.95
42-2037-00	91-16-159-4	Mars Mounting Plate Kit for Metal Door	23.15
42-3433-00	04-04-056	Mars Pressure Plate	4.60
42-3434-00	111596144P	Bottom Tab For Metal Magazines	28.35
42-8064-00	111595072	LED Housing	8.10
42-8065-00	111599139	Optic Housing	8.10
111630127	111630127	Motor Gearbox Assy.	30.15
111633215P	111633215P	Hook PLate Kit for Series 3000 LE, GL, AL	27.30

MEI CASHFLOW™ SERIES 7000 CHANGER

NEW

The First Coin Manager Ever Made!

MEI CASHFLOW™ Series 7000 is smart
- Advanced features make the par process simpler, faster and more accurate.
- Design allows complete coin path access.
- LED display and Smart menu provides front-line at-machine diagnostics.
- Industry's only five-tube changer with complete tube replenishment.
- Sonar technology "reads" the amount of change in each tube and displays tube total in real-time.
- Last-month statistics report the value of lost sales, tubes replenished, account for cash and more.
- Plus, it's really easy to use.

MAXIMIZE YOUR SALES
- Virtually eliminates exact change situations
- Handles high-value bills—$5, $10 & $20 bills
- Provides true price flexibility so you can out-negotiate your competitors
- Less downtime
- Meets MEI Gold Standard for water-resistance and jam-resistance
- Smart menu and LED display provide diagnostics to enable drivers to resolve most matters on-site and minimize service calls

MINIMIZE YOUR COSTS
- Accounts for all money, even cash in tubes
- Provides easy paring by dispensing surplus coins and identifying replenishment needs
- Coin path design allows drivers to remove debris without tools or service calls
- Intuitive design and Smart menu system simplifies training
- Optimizes change combinations
- Provides information to ensure drivers are accountable for cash
- Drivers can swap individual tubes without changing the cassette

IT DOES EVERYTHING BUT WALK TO YOUR OFFICE AND DELIVER THE CASH

MEI CASHFLOW™ series 7000 actually does the work for you—so you don't have to worry! Coupled with MEI's proven reliability, it's an exceptional product that requires less service and decreases downtime

IT DOES EVERYTHING BUT WALK TO YOUR OFFICE AND DELIVER THE CASH...

MANAGES COIN INVENTORY
- Industry's only active five-tube changer with complete tube replenishment
- Proprietary sonar technology detects change amounts in each tube in real-time and displays it on the LCD
- It automatically displays how many coins you've added. No more tracking and counting yourself
- Float mode—optimizes the amount of money kept in the machine so you don't have cash tied up unnecessarily

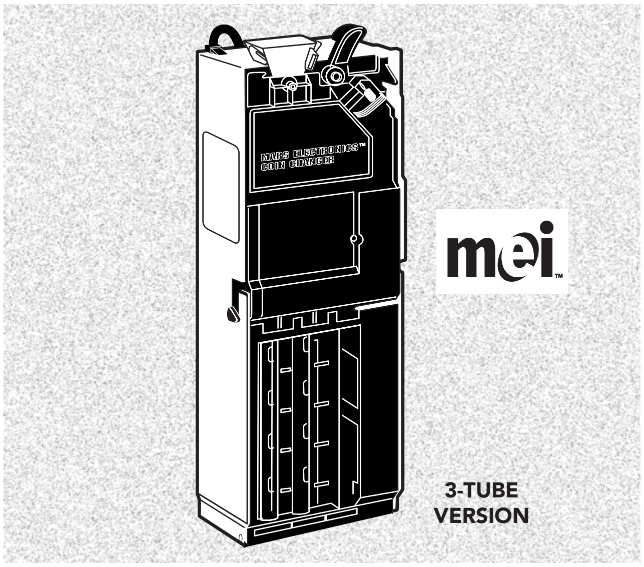
OPTIMIZES PAYOUT
- Minimizes exact-change situations.
- Alerts the operator of best tube configuration and recommends modifications when beneficial
- Accounts for all money—bills stacked, coins to cash box and coins in each tube
- Sonar capability reflects changes in cash levels during each driver call
- Gives you accurate audit data of cash in the machine

EASY TO LEARN
- Smart menu is available in eight languages and enables drivers to become skilled users in no time
- LED display reveals information
- Features an intuitive design

EASY TO USE
- Built-in self-diagnostics walk you step-by-step through issues
- Troubleshooting aids
- Field-configurable tubes
- Front IR port allows download of audit data
- Rugged design allows for complete coin path access so drivers can clear debris without tools or service calls
- Fully accessible coin storage
- Coin fills are easy with the free-standing cassette
- Built-in hook for an additional coin fill option
- Programmable option allows operators to "par" tubes to any level, or allow the unit to determine the optimal par level for you

Part Number		Price per ea.
42-0369-00	MEI Cashflow Series 7000 Changer	498.40

MARS COIN CHANGERS



MARS 3-TUBE COIN CHANGERS

Part Number	Model	Voltage	Price per ea.
42-6924-00	TRC-6000	110VAC	289.95
27-1182-00	TRC-6000CA	110VAC, Canadian Acceptance	284.85
42-6923-00	TRC-6010	24VAC, 12 Pin Connector	302.35
27-1181-00	TRC-6010CA	24VAC, 12 Pin Connector with Canadian Acceptance	284.85
27-1180-00	TRC-6010XV	24VAC, 15 Pin Connector	284.85
27-1179-00	TRC-6510	24VAC, 12 Pin Connector w/M.D.B.	308.40
42-3456-00	TRC-6512	34VDC	279.70
27-1178-00	TRC-6800H	110VAC With Cable	376.30
27-1177-00	TRC-6800HAA	110VAC With Cable and Asic Audit	347.30
27-1176-00	TRC-6800HAA W/CIG	110VAC With Cable, Asic Audit and Cigarette Switch	347.30

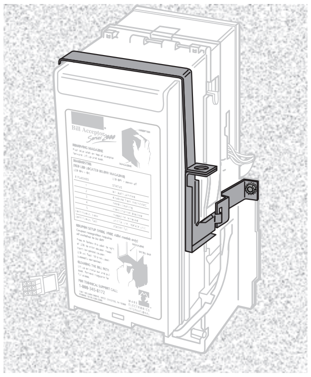
MARS 4-TUBE COIN CHANGERS

Part Number	Model	Voltage	Price per ea.
42-3238-00	VN-4000	110VAC	519.80
42-3236-00	VN-4510	M.D.B.	345.45

- 4-Tube Replacement Cassettes Available

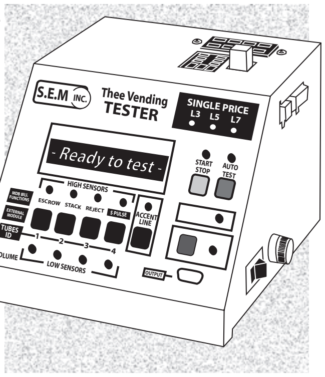
CUSTOM HASP ASSEMBLY FOR MARS VALIDATORS

- Custom designed for Mars AE & VN 2000 series validators
- Will only work with the compact bezel (bezel option no. 1) or fitted bezel (bezel option no. 5)
- Accommodates padlocks with 3/8" shackle



Part Number		Price per ea.
42-7112-00	Custom Hasp for Mars Validators	29.75

CT2 COIN CHANGER & BILL VALIDATOR TESTER



- Vending tester equipped with the latest technology capable of testing most makes of coin changers and bill acceptors
- Avoid unnecessary and costly trips to service centers
- Pays for itself within a short time
- The CT2 can test Single Price 120V coin changers, Logic 24V and 117V with 12 or 15 pins, MDB coin changers and bill acceptors
- It even tests most pulse type bill validators with the External Bill Validator Module (92-0339-00) available below.
- Auto Test feature takes you step-by-step through the testing process
- S.E.M. Short Protection System electronically detects power surges thereby reducing the risk of damage to the item and the tester.

Compatibility:

Single Price 120 VAC	Yes
Logic 24 VDC 12 Pins	Yes
Logic 24 VDC 15 Pins	Yes
Logic 117VDC 12 Pins	Yes
MDB Coin	Yes
MDB Bill	Yes
Pulse Type Bill Validator 120V	Yes with EBVM
Pulse Type Bill Validator 24V	Yes With EBVM

Specifications:

Dimensions: 7" wide x 5.75" high x 8" deep

Shipping Weight: 9 lbs

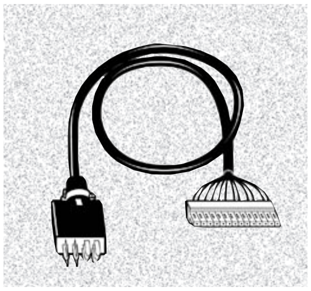
Input Power: 120V 60Hz

LCD Display: 2 x 20 with back light

Part Number		Price per ea.
92-0341-00	CT Coin Changer & Bill Validator Tester	675.25
92-0340-00	Changer Stand	95.50
92-0339-00	External Bill Validator Module	132.65

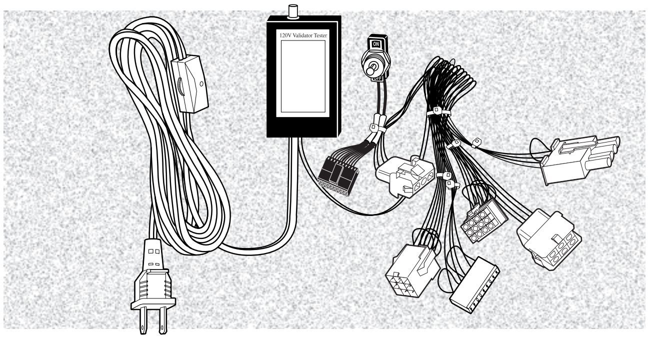
HARNESS FOR MARS 5800 CHANGER

- Converts your Mars 5800 Single Price Changer to a Mars Dummy Changer
- Easy to install



Part Number		Price per ea.
42-3276-00	Harness for Mars 5800 Changer	31.25

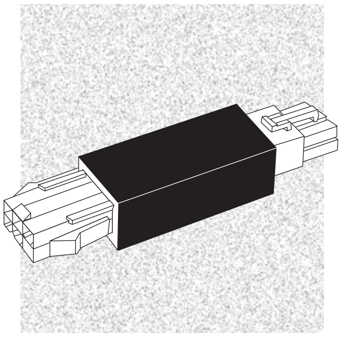
BILL VALIDATOR TESTER



- Save money by testing the validator before sending them into repair centers
- Verify the operation of your validator while on location
- Use to bench test validators in your shop
- Upon acceptance of a good bill, the tester lamp will blink once for each pulse received
- 120V Used on: Ardac - USA
  - Coinco – BA30B
  - Conlux/Maka – NB, NB2, NBE, MKA, NBU
  - Mars – VFM Series, VN2000, GL5, AL4
  - Rowe – CBA 2 soda version, CBA2, UBA2
- 24 V Used on: Ardac – USA, DBA Series, Tray Acceptors
  - Coinco – BA32SA
  - Conlux/Maka – NB14B, NB1LB, NB2-14B, NB2- 14C, NB2-16A, NBE21, NBE21B, NB-2JA, NB-2BA
  - Mars – VFM Series, L405

Part Number	Description	Price per ea.
42-8042-00	120V Bill Validator Tester	105.90
42-8043-00	24V Bill Validator Tester	135.20

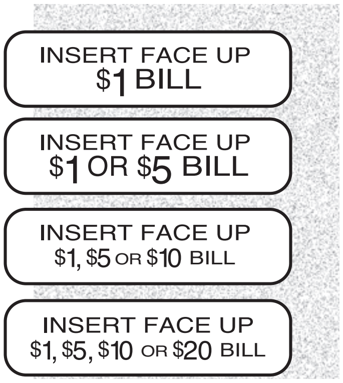
THE "MECK PROTECTOR"



- Protects MDB changers and dollar bill acceptors
- Stops costly changer repairs due to electrical surges
- Absorbs all voltage surges up to 60 volts. MDB normally operates at 34 volts. Does not need to be reset, therefore no running to location to push a button
- Saves on service call costs due to surges and coin mechanism outages
- Saves the operator the above costs plus loss of income
- The "Meck Protector" will continue to protect the coin mechanism even after an electrical surge
- Saves manufacturers, distributors and bottlers the worry, hassle and expense of having to replace a customer's MDB coin mechanism whether or not it is under warranty
- The "Meck Protector" works on both national and international machines with MDB coin mechanisms

Part Number		Price per ea.
42-8073-00	The "Meck Protector"	23.95

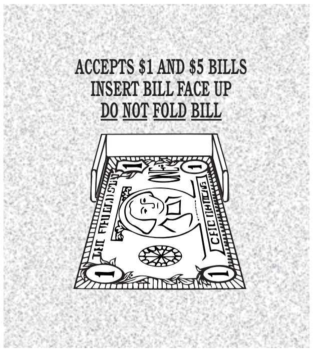
VALIDATOR LABEL SET



- Attaches to top of bill entry chute on validator – makes it easy to see
- Black print on bright yellow background
- Adhesive backed
- Size: 2.75" x .75"
- Complete set of all labels shown at right

Part Number		Price per ea.	L/25
42-0548-00	Validator Label Set	2.55	2.20

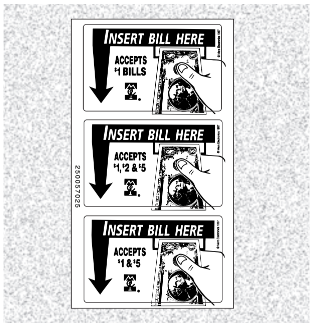
BILL VALIDATOR LABEL



- Accepts $1 and $5 Bills
- Use on Rainbow crane games and others
- White print on clear mylar label with adhesive backing
- Size: 3-1/4” x 4/1/4”

Part Number		Price per ea.
42-7191-00	Bill Validator Label	3.25

MARS VALIDATOR LABEL SET



- 3 different labels
- Accepts $1 Bills, Accepts $1 & $5, Accepts $1, $2 &$5
- Black and green on bright yellow
- Size: 2-7/8" x 1-7/8"
- Adhesive backed
- Laminated front

Part Number		Price per ea.	L/25
250057025	Mars Validator Label Set	.59	.49

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for NEW Product Updates!!

"OUT OF ORDER" LABEL

- Black on orange
- Size: 1 1/2" x 2"
- Special adhesive for easy removal

Part Number		Price per ea.	L/100
42-7017-00	"Out of Order" Label	.31	.26

"FOR SERVICE CALL" LABEL

- Your name and address in up to 4 lines of copy
- To order specify copy as you wish it to appear
- Pressure sensitive adhesive backing
- Color: black on silver
- Size: 2" x 3"
- Minimum order: 250

Part Number		Price per ea. L/250
49-0643-XXX	"For Service Call" Personalized Labels	1.95

"NO REFUND" LABEL

- Bright red on white background
- Size: 3" x 4-5/8"

Part Number		Price per ea.	L/50
49-0656-00	"No Refund" Label	.81	.67

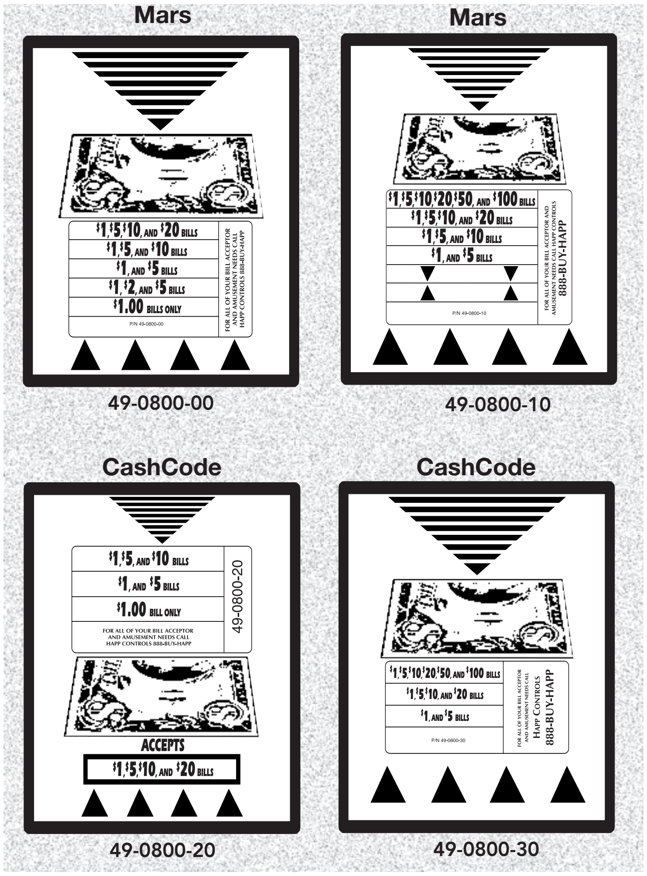
"WARNING" LABEL

- Pressure sensitive label
- Color: Black on Silver
- Size: 2-1/2" x 4-3/4"

Part Number		Price per ea.	L/100
42-7016-00	"Warning" Label	.72	.67

VALIDATOR LABEL SETS

- Bright yellow label with black printing
- Laminated for durability and longevity
- Arrows attract attention to where money is to be inserted into validator
- Interior labels used to identify bill denominations accepted
- For use on either Stackerless, Upstacker, or Downstacker applications as noted



Part Number		Price per ea.	L/100
49-0800-00	Validator Label Set for Mars Series 2000 (Upstacker & Downstacker)	1.90	1.45
49-0800-10	Validator Label Set for Mars AL & GL Series (Stackerless, Upstacker & Downstacker)	1.90	1.45
49-0800-20	Validator Label Set for CashCode Stackerless	1.90	1.45
49-0800-30	Validator Label Set for CashCode UNV Universal Stacker (Upstacker & Downstacker)	1.90	1.45

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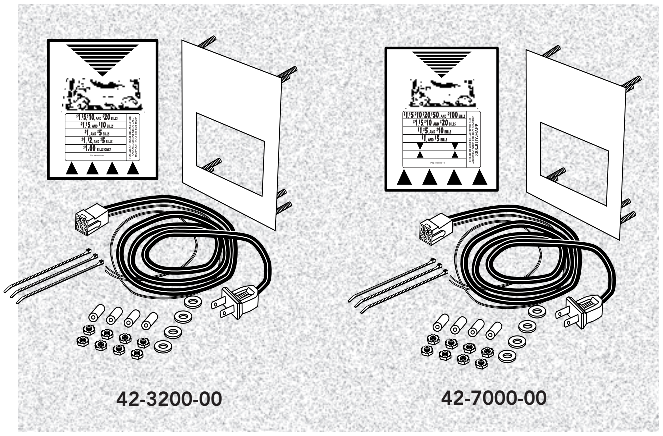
VALIDATOR MOUNTING KITS-MARS

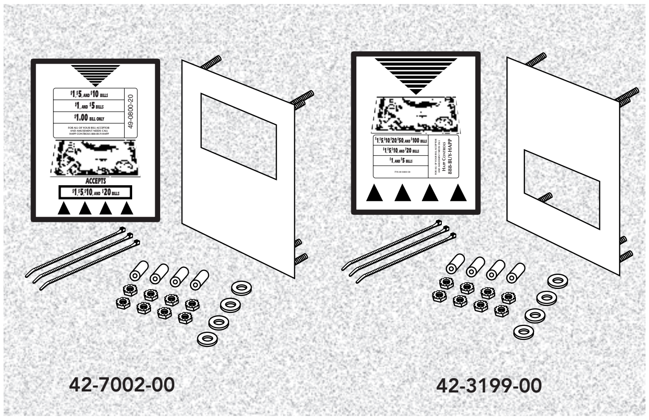
- Kit includes the necessary items required to mount bill validator to either wood or steel
- Kit includes: Bright yellow decal with black printing, Mounting Plate with Pem Studs, Power Cable with Plug, 3 Tie Wraps, Spacers, Washers, and Nuts with Keps
- For use on either Stackerless, Upstacker, or Downstacker applications as noted



Part Number		Price per ea.
42-3200-00	Happ Mounting Kit for Mars Series 2000 Upstacker with either Contact Bezel (Bezel option #1) or Compact Fitted Bezel (Bezel option #5)	20.85
42-7000-00	Happ Mounting Kit for Mars AL, GL, LE (Stackless, Upstacker & Downstacker) and Series 2000 Downstacker with VFM5S Downstacking Bezel (Bezel Option #3)	20.85

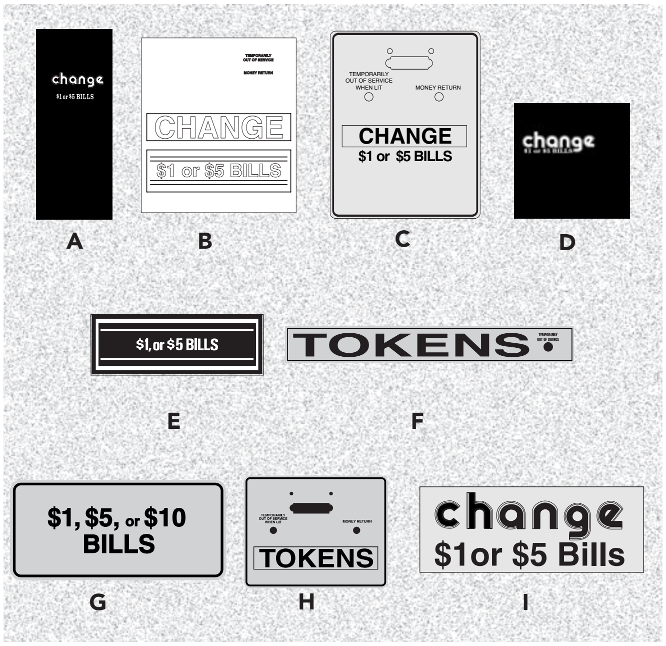
VALIDATOR MOUNTING KITS-CASHCODE

- Kit includes the necessary items required to mount bill validator to either wood or steel
- Kit includes: Bright yellow decal with black printing, Mounting Plate with Pem Studs, 3 Tie Wraps, Spacers, Washers, and Nuts with Keps
- For use on either Stackerless, Upstacker, or Downstacker applications as noted



Part Number		Price per ea.
42-7002-00	Mounting Kit for CashCode Stackerless (Upstacker & Downstacker)	14.55
42-3199-00	Mounting Kit for CashCode UNV Universal Stacker (Upstacker & Downstacker)	14.85

OVERLAYS FOR ROWE BILL CHANGERS



Ref.	Part Number		Price per ea.
A	H1715R	BC11/12 $1 & $5 Overlay, Black	18.55
B	H170R	BC11/12 $1 & $5 White On Clear Overlay	12.30
C	H167R	BC12 $1 & $5 Instruction Decal	19.95
D	H1693R	BC8/9/20/25 $1 & $5 Overlay	22.15
E	H35074331R	BC35 Change Decal	11.15
F	27-1324-00	BC1200 "Tokens" Decal	11.15
G	27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	15.65
H	27-1326-00	BC1200 "Tokens" Overlay	15.65
I	H35074329R	$1 & $5 Change Decal	14.80
	49-0474-00	Black Pica Vinyl, Sold Per Foot	5.00

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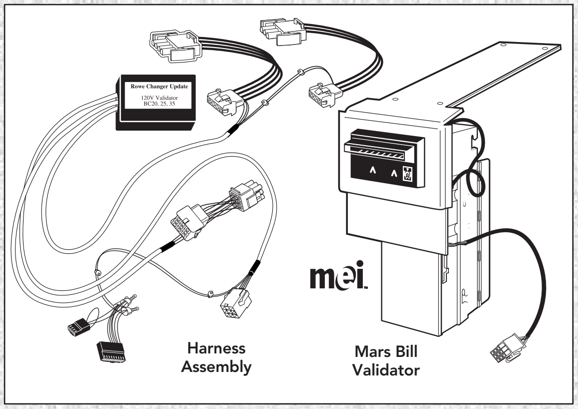
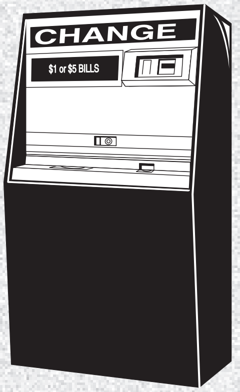
BILL CHANGER UPGRADE KITS

- Upgrade your Ardac, Rowe, Hamilton and National Changetron to accept $1, $2, $5 or $1, $2, $5, $10, $20
- The Mars AE Series Validator used with these kits has a 700 bill upstacker
- Mars validators allow high acceptance of all bills
- Can be directly replaced with any Mars VN-2501, AE-2400 or AE-2600 Series validator
- Changer is still able to accept coins
- The complete kit replaces the transport and bill stacker with 120vac validator
- Wiring harness interfaces with the Mars AE and VN validators
- Takes about 30 minutes to install on location
- No cutting or drilling needed





Rowe BC35 Bill Changer

Bill Changer Upgrade Kits with Mars AE Series Validator Included (700 Bill Upstacker)

Part Number	Description	Accepts	Price per ea.
42-7465-700	Rowe BC1	$1, $2, $5, $10, $20	671.40
42-7464-700	Rowe BC9	$1, $2, $5, $10, $20	926.05
42-7350-700	Rowe BC11	$1, $2, $5	558.95
42-8195-700	Rowe BC11	$1, $2, $5, $10, $20	716.60
42-7351-700	Rowe BC12	$1, $2, $5	561.45
42-8196-700	Rowe BC12	$1, $2, $5, $10, $20	719.95
42-7352-700	Rowe BC20/25/25MC	$1, $2, $5	561.47
42-8192-700	Rowe BC20/25/25MC	$1, $2, $5, $10, $20	716.60
42-8090-700	Rowe BC35	$1, $2, $5	561.45
42-8197-700	Rowe BC35	$1, $2, $5, $10, $20	716.60

Bill Changer Upgrade Kits with Mars VN Series Validator Included (500 Bill Upstacker)

Part Number	Description	Accepts	Price per ea.
42-8090-500	Rowe BC35	$1, $2, $5	534.70

Bill Changer Upgrade Kits with Validator Sold Separately

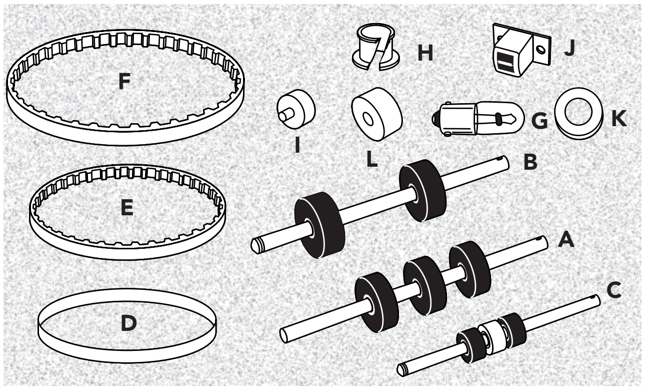
(Note: A validator must be used with all kits)

Part Number	Description	Accepts	Suggested Mars Validator (Sold Separately)	Happ P/N For Validator	Price per ea.
42-3464-00	Ardac A9000	$1, $2, $5	AE-2451-U7E	42-2054-00	226.85
42-3324-00	Hamilton	$1, $2, $5, $10, $20 With Hopper Dispenser	AE-2611-U7E	42-7310-00	219.40
42-3519-00	Hamilton	$1, $2, $5, $10, $20 With Tube Dispenser	AE-2611-U7E	42-7310-00	219.40
42-3348-00	National Changetron	$1, $2, $5, $10, $20 With 2 Payout Drums	AE-2611-U7E	42-7310-00	257.95
42-3520-00	National Changetron	$1, $2, $5, $10, $20 With 4 Payout Drums	AE-2611-U7E	42-7310-00	257.95
42-7465-00	Rowe BC1	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	229.95
42-7464-00	Rowe BC9	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	486.50
42-7350-00	Rowe BC11	$1, $2, $	AE-2451-U7E	42-2054-00	204.80
42-8195-00	Rowe BC11	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	268.45
42-7351-00	Rowe BC12	$1, $2, $5	AE-2451-U7E	42-2054-00	209.95
42-8196-00	Rowe BC12	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	273.85
42-7352-00	Rowe BC20/25/25MC	$1, $2, $5	AE-2451-U7E	42-2054-00	204.80
42-8192-00	Rowe BC20/25/25MC	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-8090-00	Rowe BC35	$1, $2, $5	AE-2451-U7E	42-2054-00	208.90
42-8197-00	Rowe BC35	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-3346-00	Rowe BC100	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	346.35
42-3355-00	Rowe BC1200	$1, $2, $5	AE-2451-U7E	42-2054-00	232.90
42-3503-00	Rowe BC1200	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	273.85
42-8188-00	Rowe BC3500	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	541.80
42-3347-00	Rowe SBC2/4	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	326.30

ROWE BILL CHANGERS

MODEL BA-35 REBUILDING KIT

Part Number		Price per ea.
27-1050-00	Model BA-35 Rebuilding Kit For BC-12, BC-35 Machines	61.55

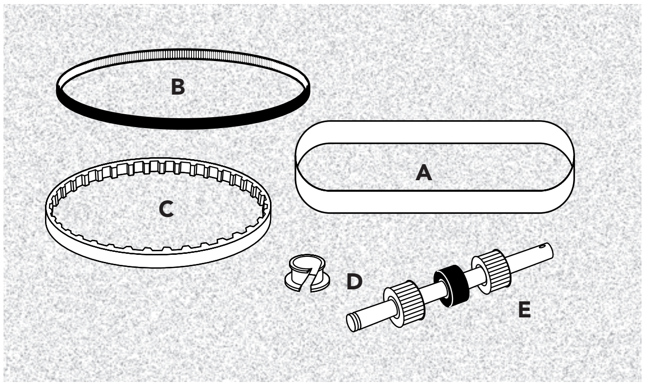


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number		Qty. Incl.	Price per ea.
A	H25076601R	Roller & Shaft Assy. – Drive	1	8.95
D	H25186401R	Drive Belt – Semi Stretch	1	6.25
E	H25073801R	Timing Belt	1	2.89
F	H35082002R	Timing Belt – Motor Drive	1	3.60
G	91-0755-00	755 Miniature Lamp by G.E.	2	.82
I	H21312501R	Idler Roller – Drive	6	.98
J	H25076002R	Magnetic Head Assy.	1	24.10
K	H25078601R	Grommet	2	.98
L	H25194701R	Idler Roller	1	2.55

MODEL OBA4 REBUILDING KIT

Part Number		Price per ea.
27-1053-00	Model OBA Rebuilding Kit For 4900, BC-1, Some Phonographs	40.60

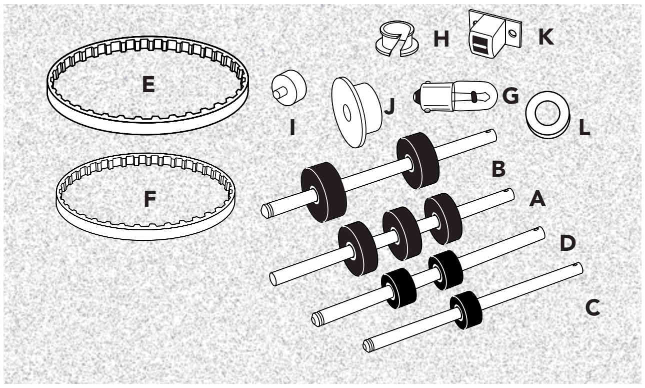


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number		Qty. Incl.	Price per ea.
A	H35118601R	Drive Belt Clear	2	4.35
B	H45077201R	Timing Belt – High Friction	2	6.30
C	H35082001R	Timing Belt	1	4.75
D	H70146004R	Bearing – Nyliner	4	.72
E	H35080501R	Roller Assy.	1	22.80

MODEL BA-20 & BA-3 REBUILDING KIT, DELUXE

Part Number	Price per ea.

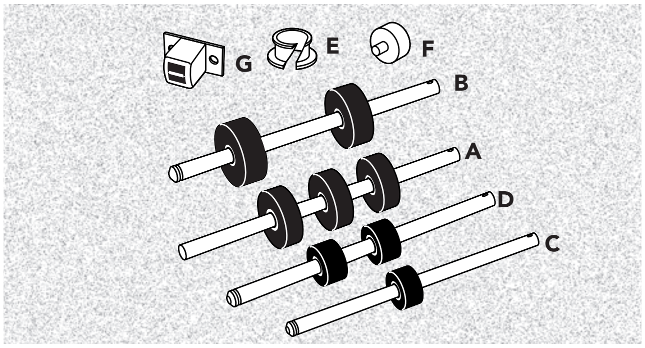


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number		Qty. Incl.	Price per ea.
A	H25076601R	Roller & Shaft Assy. – Drive	1	8.95
C	H25076801R	Roller & Shaft Assy. – Drive	1	5.95
E	H21312801R	Timing Belt	1	4.40
F	H25073801R	Timing Belt	1	2.89
G	91-0755-00	755 Miniature Lamp by G.E.	2	.82
I	H21312501R	Idler Roller – Drive	6	.98
K	H25076002R	Magnetic Head Assy.	1	24.10
L	H25078601R	Grommet	2	.98

MODEL BA-20 & BA-3 REBUILDING KIT

Part Number		Price per ea.
27-1207-00	Model BA-20 & BA-3 Rebuilding Kit For BC-10, BC-11, BC-20,BC-25, BC-25MC Machines	50.10



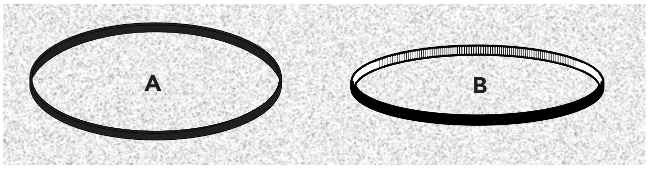
Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number		Qty. Incl.	Price per ea.
A	H25076601R	Roller & Shaft Assembly, Drive	1	8.95
C	H25076801R	Roller & Shaft Assembly, Drive	1	5.95
F	H21312501R	Idler Roller, Drive	6	.98
G	H25076002R	Magnetic Head Assembly	1	24.10

ROWE BILL CHANGERS

MODEL CBA-I REBUILDING KIT

Part Number		Price per ea.
27-1052-00	Model CBA-I Rebuilding Kit For Early 448, 448E	40.60

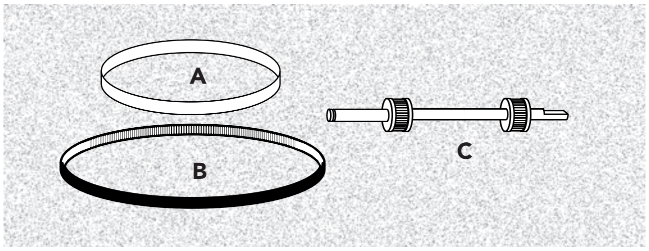


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35080903R	Drive Belt Clear	2	6.30
B	H35082004R	Timing Belt	2	8.15

MODEL CBA-II REBUILDING KIT

Part Number		Price per ea.
27-1206-00	Model CBA-II Rebuilding Kit For 448E/548/648/4900/5900	37.50

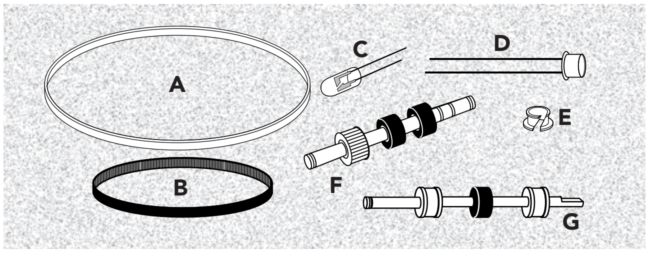


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H0031956R	Timing Belt	2	6.95
B	H0031946R	Timing Belt	2	6.95
C	H25244101R	Upper Shaft & Pulley	1	8.45

MODEL BA-50 DELUXE REBUILDING KIT

Part Number		Price per ea.
27-1204-00	Model BA-50 Deluxe Rebuilding Kit	81.15

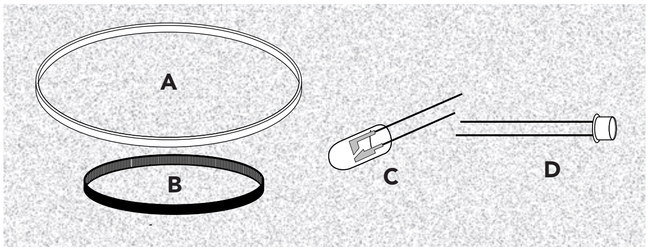


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	6.75
B	H35082005R	Timing Belt	2	5.85
C	H70035314R	LED Lamp	1	2.55
D	H25236302R	Photoconductive Cell	2	9.80
E	H70146004R	Bearing Nyliner	4	.72
F	H35114501R	Shaft & Pulley, (Front Roller)	1	19.70
G	H35113601R	Drive Shaft Assembly, (Lower Roller)	1	23.75

MODEL BA-50 STANDARD REBUILDING KIT

Part Number		Price per ea.
27-1205-00	Model BA-50 Standard Rebuilding Kit	32.00

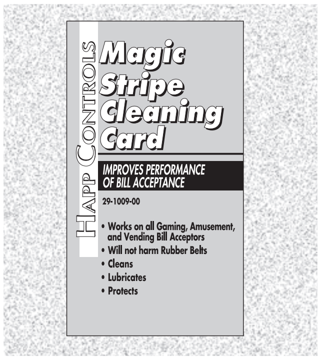


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	6.75
B	H35082005R	Timing Belt	2	5.85
C	H70035314R	LED Lamp, Green	1	2.55
D	H25236302R	Photoconductive Cell	1	9.80

HAPP CONTROLS DOLLAR BILL CLEANING CARD

- To clean, just insert like a dollar bill
- Works on all Gaming, Amusement and Vending bill validators
- Greatly increases the acceptance of dollar bills by cleaning & maintaining the hard to reach insides of the bill validators
- Special cleaning solution will not harm rubber belts
- Cleans, lubricates and protects all in one easy motion


HAPP CONTROLS
Magic Stripe Cleaning Card
IMPROVES PERFORMANCE OF BILL ACCEPTANCE
29-1009-00
• Works on all Gaming, Amusement, and Vending Bill Acceptors
• Will not harm Rubber Belts
• Cleans
• Lubricates
• Protects

Part Number		Price per ea.	L/50
29-1009-00	Happ Controls Dollar Bill Cleaning Card	.95	.84

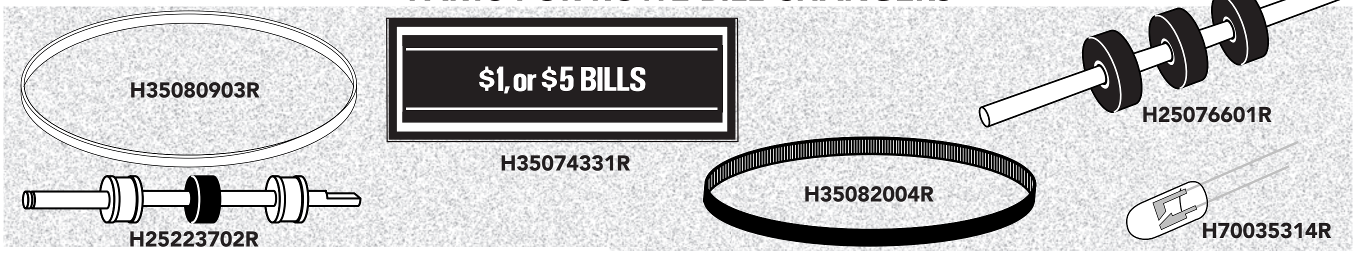
"ALCOHOL FREE" DOLLAR BILL CLEANING CARD

- Protect your equipment
- Works on all dollar bill validators
- Removes dirt, oil, and other contaminants from magnetic heads and photo and optic sensors
- Safe, easy and effective
- Will not harm rubber belts
- Will not fog up optic sensors

HAPP CONTROLS
Magic Stripe Alcohol Free Cleaning Card
CLEAN AND LUBRICATE CURRENCY ACCEPTORS
29-1167-00
• Cleans, Lubricates and Protects
• Will Not Fog-Up Optic Sensors
• Will Not Harm Rubber Belts
• Safe, Easy and Effective

Part Number		Price per ea.	L/50
29-1167-00	"Alcohol Free" Cleaning Card	.95	.84

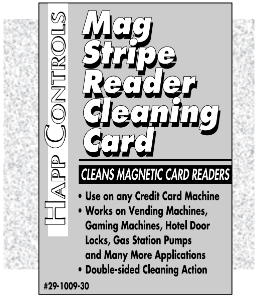
PARTS FOR ROWE BILL CHANGERS



Happ No.	Rowe No.	Description	Price per ea.
H166R	166	BC 12 $1 & $5 Instruction Decal	19.70
H167R	167	BC 12 $1 & $5 Instruction Decal	19.95
H170R	170	BC 11/12 $1 & $5 White on Clear Overlay	12.30
H1693R	1693	BC 8/9/20/25 $1 & $5 Overlay	22.15
H1715R	1715	BC 11/12 $1 & $5 Overlay	18.55
21073201	21073201	Switch for BC1200	6.50
H21312501R	21312501	Idler Roller, Drive	.98
H21312801R	21312801	Timing Belt	4.40
H25073801R	25073801	Timing Belt	2.89
H25076002R	25076002	Magnetic Head Assy.	24.10
H25076601R	25076601	Roller & Shaft Assy., Drive	8.95
H25076801R	25076801	Roller & Shaft Assy., Drive	5.95
H25078601R	25078601	Grommet	.98
H25186401R	25186401	Drive Belt, Semi-Stretch	6.25
H25194701R	25194701	Idler Roller	2.55
H25236302R	25236302	Photoconductive Cell	9.80
H25244101R	25244101	Upper Shaft & Pulley	8.45
H35074331R	35074331	BC 35 Change Decal	11.15
H35080501R	35080501	Roller Assy.	22.80
H35080903R	35080903	Drive Belt,Clear	6.30
H35082001R	35082001	Timing Belt	4.75
H35082002R	35082002	Timing Belt, Motor Drive	3.60
H35082004R	35082004	Timing Belt	8.15
H35082005R	35082005	Timing Belt	5.85
H35113601R	35113601	Drive Shaft Assy., Lower Roller	23.75
H35114501R	35114501	Shaft & Pulley, Front Roller	19.70
H35114901R	35114901	Upper Belt, Drive	6.75
H35118601R	35118601	Drive Belt, Clear	4.35
H45077201R	45077201	Timing Belt, High Friction	6.30
80-1125-00	65069201	PC Board for BC3500 power supply	284.60
H70035314R	70035314	LED Lamp, Green	2.55
H70146004R	70146004	Bearing, Nyliner	.72
H0031946R	0031946	Timing Belt	6.95
H0031956R	0031956	Timing Belt	6.95

MAG STRIPE READER CLEANING CARD

- Helps performance and durability of your equipment
- Used regularly, they will save you time & money in equipment repairs & downtime
- Cleans dirt, oil and residue from magnetic, optical and bar code reading equipment
- Double-sided cleaning card cleans any way you swipe
- Works on ATM's, Hotel Door Locks, Video Vending Machines, Telephones, Gas Pump Credit Card Readers, and many more applications


HAPP CONTROLS
Mag Stripe Reader Cleaning Card
CLEANS MAGNETIC CARD READERS
• Use on any Credit Card Machine
• Works on Vending Machines, Gaming Machines, Hotel Door Locks, Gas Station Pumps and Many More Applications
• Double-sided Cleaning Action
#29-1009-30

Part Number		Price per ea.	L/50
29-1009-30	Mag Stripe Reader Cleaning Card	1.10	.93

BILL VALIDATOR WAFFLE-STYLE CLEANING CARDS

NEW

- Dramatically outperforms normal flat cleaning cards
- Incorporates flexible, raised platforms on the top and bottom surfaces
- Springs up into surface cavities to clean recessed sensors
- Cleans entire rounded surface of magnetic heads
- Color: white; alcohol-free
- Effectively cleans leading and trailing surfaces of rounded optical lenses
- Ten times higher cleaning pressure, cleaning in both directions
- 15 cards per box
- For more information, go to: www.waffletechnology.com

$ BILL ACCEPTOR CLEANING CARD - WHITE - ALCOHOL FREE
WAFFLE TECHNOLOGY
EXPANDS TO REACH RECESSED AREAS
CLEANS IN BOTH DIRECTIONS

RECOMMENDED FOR:
- All bill accepting equipment found in: Casino, Vending, Amusement, and other industries.

USAGE:
- External/High use area - once per day
- Internal/Low use areas - once per week

WAFFLETECHNOLOGY™:

The revolutionary Waffletechnology™ cleaning card ensures pressurized contact to areas not accessible with flat cards, resulting in a superior clean.

Directions:
1. Insert cleaning card into bill acceptor.
2. Card will be accepted and rejected automatically.
3. Remove and discard.
4. Repeat if necessary.

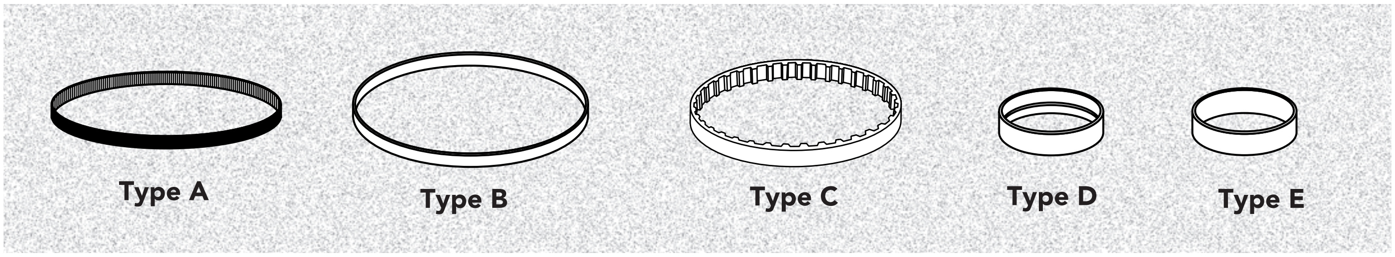
Made in the U.S.A.

For detailed technical information and endoresments visit waffletechnology.com

Part Number		Price per ea.
29-0326-00	Waffle Style Cleaning Card	1.10

BELTS FOR BILL VALIDATORS

- Top quality replacement bill validator belts
- Easy to use reference guide helps you figure out which belt you have, without knowing the manufacturer's part number
- A complete selection of the most popular replacement belts for all the major manufacturers
- Made in the USA



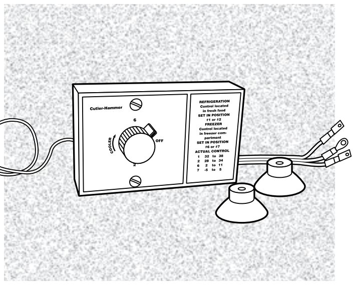
Part Number	Ref. No.	Description	Belt Type	Model	Size	Price per ea.
H290119	29X119	Stacker Belt, Gray	A	Ardac	15″ x .25″	3.95
29X121	29X121	Idler Belt, Black	A	Ardac	7″ x .125″	3.05
29X174	29X174	Drive Belt, Black	A	Ardac	15″ x .25″	3.85
42-3124-00	29X083	Timing Belt	C	Ardac MBA	4.125″X.25″	4.80
42-3125-00	29X82	Drive Bolt	C	Ardac MBA	5.75″X.25″	5.70
42-3138-00	29X84	Top belt	B	Ardac MBA	5.62″X.25″	3.15
42-7109-00	29X24	Flat Idler Belt	B	Ardac 29 x 24	11″ x .25″	5.70
921403	921403	Belt, Chassis, Black	A	Coinco	18.5″ x .25″	6.25
921296	921296	Intermediate Wide Belt	B	Coinco	15.5″ x .25″	9.50
920815	920815	Belt, Lower Housing	A	Coinco	4.5″ x .375″	3.75
H440532	440532	Belt #1	A	Maka	4″ x .125″	2.55
H440533	440533	Belt #2	A	Maka	14.25″ x .25″	3.75
04-22-137	04-22-137	Gray Belt	A	Mars VFM5 , GL5	6.5″ x .25″	4.10
04-22-162	04-22-162	Black Timing Belt	A	Mars VFM 1,2,3 & 4	6″ x .25″	3.95
111597059	111597059	Stacker Belt, Single Bill	B	Mars VFM Series	7.5″ x .125″	5.45
111597118	111597118	Drive Ring - Ribbed	D	Mars VFM Series	2.75″ x .25″	1.20
111597118F	111597118F	Drive Ring - Flat	E	Mars VFM Series	2.75″ x .25″	.63
250021015	250021015	Large Timing Belt	A	Mars Series 2000	5.72″ x .19″	5.55
250023014	250023014	Small Timing Belt	A	Mars Series 2000	4.25″ x .125″	2.25
42-7443-00	251028034	Flat Yellow Belt	B	Mars ZT Series	5.25″ x 1.25″	6.35
H5271687N	5271687	Drive Belt, Black	B	National Buckpasser	9.5″ x .25″	8.15
H0031946R	B0031946	Timing Belt	A	Rowe CBA2 UBA	18″ x .25″	6.95
H0031956R	B0031956	Timing Belt	B	Rowe CBA2	20.5″ x .25″	6.95
H21312801R	21312801	Timing Belt	C	Rowe BA20	12.75″ x .19″	4.40
H25073801R	25073801	Timing Belt	C	Rowe BA20/35	7″ x .1875″	2.89
H25186401R	25186401	Drive Belt, Semi Stretch	B	Rowe BA-35	7.296″ x .313″	6.25
H35080903R	35080903	Drive Belt	B	Rowe CBA-1	21.25″ x. 25″	6.30
H35082001R	35082001	Timing Belt	A	Rowe OBA	5.5″ x. 25″	4.75
H35082002R	35082002	Timing Belt, Motor Drive	C	Rowe BA-35	8″ x .1875″	3.60
H35082004R	35082004	Timing Belt	A	Rowe CBA-1	18.75″ x .254″	8.15
H35082005R	35082005	Timing Belt	A	Rowe BA-50	16.75″ x .25″	5.85
H35114901R	35114901	Upper Drive Belt	B	Rowe BA-50	18.5″ x .25″	6.75
H35118601R	35118601	Drive Belt, Clear	B	Rowe OBA	11.375″ x .25″	4.35
H45077201R	45077201	Timing Belt, High Friction	A	Rowe OBA	11″ x .25″	6.30

Visit Our Web Site:
for NEW Product Updates!!

COLD CONTROLS

HAPP CONTROLS "UNIVERSAL" COLD CONTROL

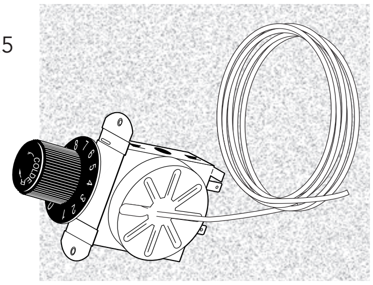
- Used as a "universal" replacement temperature control for cold can drink machines
- To use, simply unplug existing cold control and install
- 30" capillary tube
- A Happ exclusive



Part Number		Price per ea.	L/6
27-1055-00	Happ Controls "Universal" Cold Control	24.05	22.35

BEV-AIR TEMPERATURE CONTROL

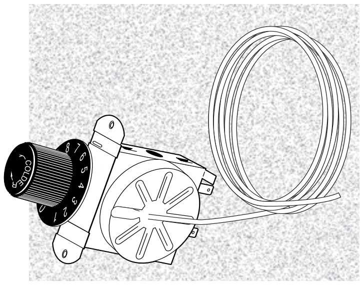
- Ref. No. 502290B
- Replaces Ref. No. 502125



Part Number		Price per ea.
27-1389-00	Temperature Control for Bev-Air	16.95

BEV-AIR TEMPERATURE CONTROL

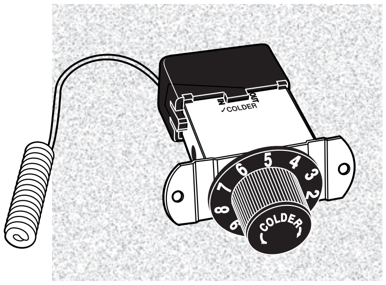
- Ref. 502289B



Part Number		Price per ea.
H502289BA	Temperature Control for Bev-Air	15.79

CAVALIER COLD CONTROL

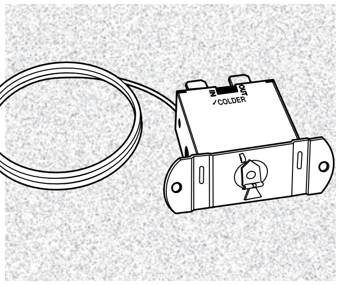
- Includes knob
- Ref. No. C-4-3186



Part Number		Price per ea.
HC43186C	Cold Control for Cavalier machines	19.75

CHOICE VEND COLD CONTROL

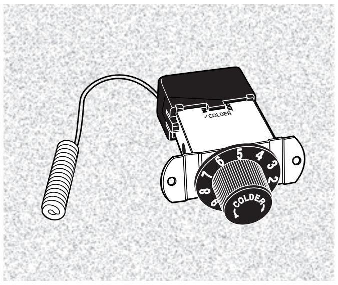
- Ref. No. 865190 (Old)
- Ref. No. 863160 (New)



Part Number		Price per ea.
H863160CV	Cold Control for Choice Vend machines	20.15

DIXIE NARCO TEMPERATURE CONTROL

- Ref. 802, 800, 380.01
- For old 630 machines



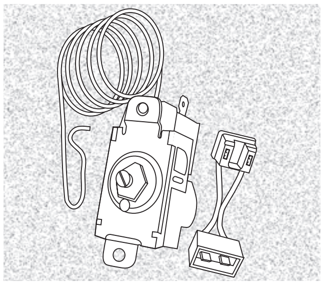
Part Number		Price per ea.
H80280038001DN	Dixie Narco Temperature Control	26.25

DIXIE NARCO TEMPERATURE CONTROL KIT

- New GE style control for DN501E / 600E machines
- Includes:

(1) Control
(Happ No.H80280058011DN)
(1) Adapter Harness
(Happ No.H80491619001DN)

- Replaces Ref. No. 802,800,500
- Ref. No. 609,012,200.03

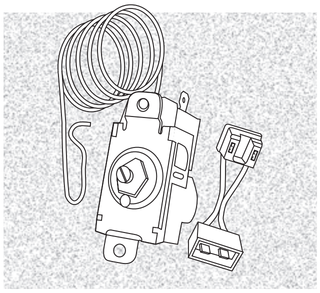


Part Number		Price per ea.
H60901220003DN	Dixie Narco Temperature Control Kit	13.35
H80280058011DN	Replacement Temperature Control Only	12.70
H80491619001DN	Replacement Adapter Harness Only	4.32

DIXIE-NARCO TEMPERATURE CONTROL KIT

- New GE Style control
- Replaces Ref. No. 802, 800, 480.21
- Ref. No. 572, 012, 200.04
- Includes:

(1) Control (Happ No.H80280059021DN)
(1) Adapter Harness (Happ No. H80491619001DN)

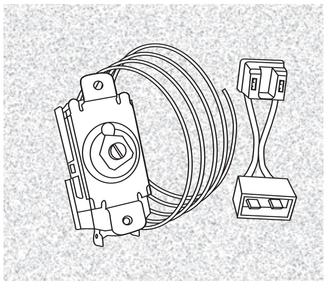


Part Number		Price per ea.
H57201220004DN	Dixie Narco Temperature Control Kit	18.49
H80280059021DN	Replacement Temperature Control Only	14.40
H80491619001DN	Dixie Narco Adapter Harness Only	4.32

DIXIE NARCO TEMPERATURE CONTROL KIT

- New GE Style control
- Replaces Ref. No. 802, 800, 470.01
- Ref. No. 588,012,200.04
- Includes:

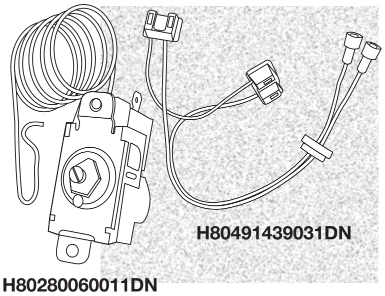
(1) Control (Happ No. H80280065021DN)
(1) Adapter Harness (Happ No. H80491619001DN)



Part Number		Price per ea.
H58801220004DN	Dixie Narco Temperature Control Kit	12.95
H80280065021DN	Replacement Temperature Control Only	11.50
H80491619001DN	Replacement Adapter Harness Only	4.32

DIXIE NARCO TEMPERATURE CONTROL

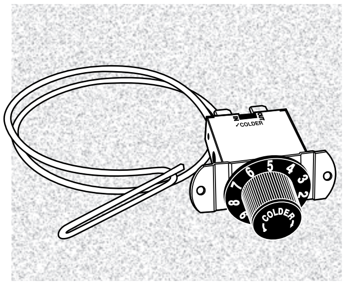
- New GE Style control
- Ref. No. 622,010,300.13



Part Number		Price per ea.
H80280060011DN	Replacement Temperature Control	10.65
H80491439031DN	Replacement Adapter Harness	6.40

DIXIE NARCO COLD CONTROL

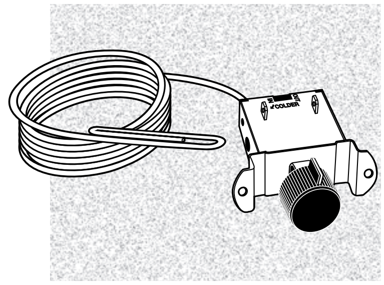
- Includes knob
- Ref. No. 802,800,090.31



Part Number		Price per ea.
H80280009031DN	Cold Control for Dixie Narco machines	15.75

NATIONAL COLD FOOD CONTROL

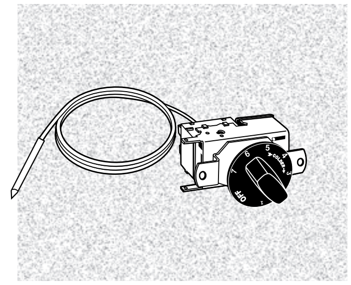
- Includes knob
- Includes complete mounting hardware kit
- Ref. No. 417-1137



Part Number		Price per ea.
H4171137N	Cold Control for National cold food machines	21.90

ROWE 448 COLD CONTROL

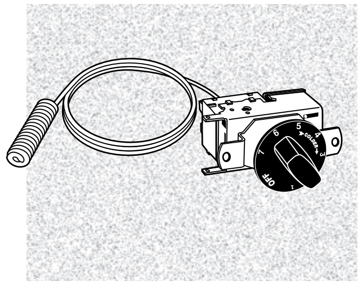
- Includes knob
- For use on Rowe 448, 448E, 448E2 machines
- Ref. No. 448-1829



Part Number		Price per ea.
H4481829R	Cold Control for Rowe 448 machines	19.35

ROWE CUP SODA COLD CONTROL

- Includes knob
- Ref. No. 406-1534



Part Number		Price per ea.
H4061534R	Rowe Cup Soda Cold Control	58.95

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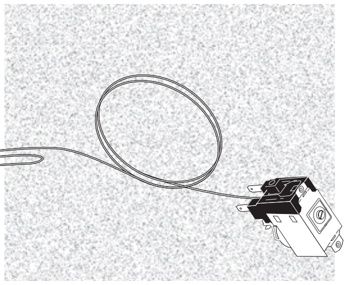
ROYAL VENDORS TEMPERATURE CONTROL

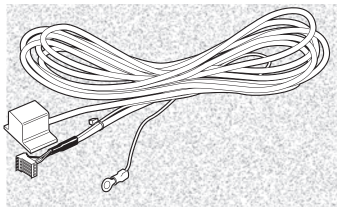
- Ref. No. 822001001



Part Number		Price per ea.
H822001001RY	Royal Vendors Temperature Control	17.95

ROYAL VENDORS TEMPERATURE SENSOR

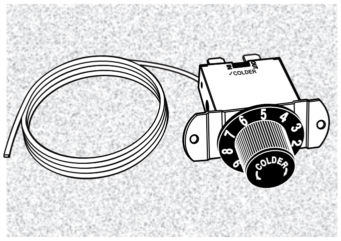
- For Merlin Machines With Electronic Refrigeration
- Ref. No. 822030



Part Number		Price per ea.
H822030RY	Royal Vendors Temperature Sensor	45.95

TRUE COOLER COLD CONTROL

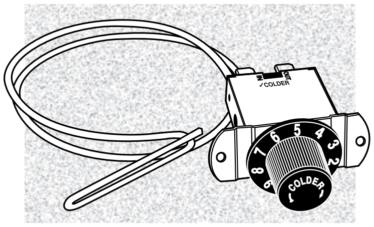
- Includes knob
- Ref. No. 250B/400456



Part Number		Price per ea.
H800306T	Cold Control for True Cooler machines	21.75

VENDO COLD CONTROL

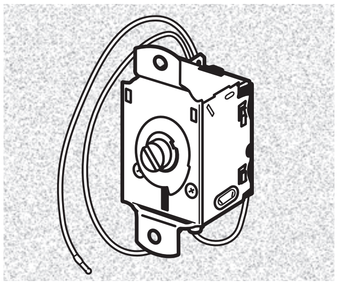
- Includes knob
- With straight probe
- Ref. No. 34324



Part Number		Price per ea.
H34324V	Cold Control for Vendo machines	17.95

VENDO TEMPERATURE CONTROL

- With straight probe
- Ref. No. 368794

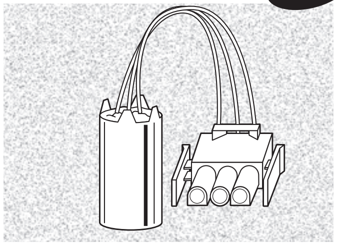


Part Number		Price per ea.
H368794V	Vendo Temperature Control	16.90

PCB PROBE TEMPERATURE SENSING ASSEMBLY

NEW

- For use with Rowe 548/648 Food Machines
- Complete assembly including connector, cable and sensor in a metal probe
- Mfg. Ref.#H5481818R

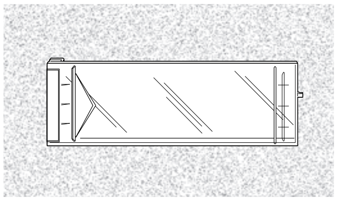


Part Number		Price per ea.
96-0582-00	Temperature Sensing Probe	34.95

DELIVERY AND VEND DOORS

NATIONAL DELIVERY DOOR

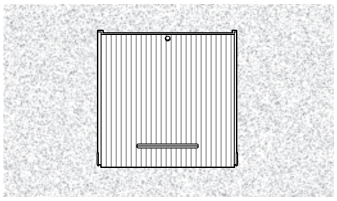
- For National Shoppertron cold food machine
- Ref. No. 430-2372



Part Number		Price per ea.
H4302372N	Delivery Door for National Shoppertron	9.90

RMI COFFEE VEND DOOR

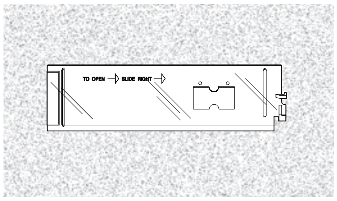
- For RMI coffee machines
- Ref. No. 19290



Part Number		Price per ea.
H19290RM	Vend Door for RMI Coffee	14.20

REPLACEMENT ROWE 448 4" DELIVERY DOOR

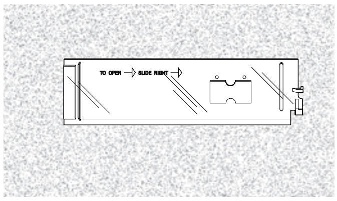
- For Rowe 448, 448E, 448E2, 548, 648 cold food machines
- Ref. No. 448-1427



Part Number		Price per ea.
H4481427R	4" Delivery Door for Rowe 448	7.95

REPLACEMENT ROWE 448 5" DELIVERY DOOR

- For Rowe 448, 448E, 448E2, 548, 648 cold food machines
- Ref. No. 448-1428

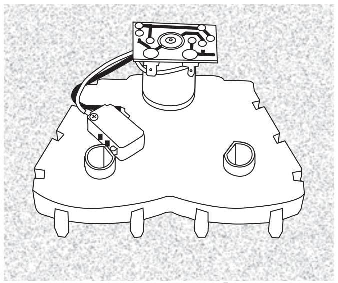


Part Number		Price per ea.
H4481428R	5" Delivery Door for Rowe 448	8.95

MOTORS

AUTOMATIC PRODUCTS DUAL SPIRAL VEND MOTOR

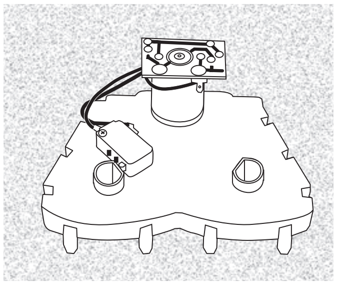
- For use on A.P. 111/112/113 machines
- Ref. No. 360169



Part Number		Price per ea.
H360169AP	Automatic Products Dual Spiral Vend Motor	17.30

AUTOMATIC PRODUCTS DUAL SPIRAL VEND MOTOR

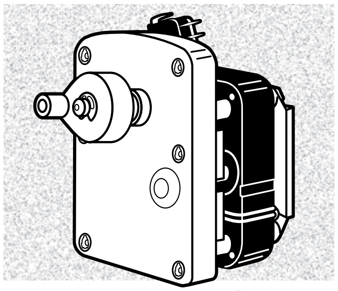
- For LCM models
- Ref. No. 360169-1



Part Number		Price per ea.
H360169-1AP	Automatic Products Dual Spiral Vend Motor	20.05

AUTOMATIC PRODUCTS GUM & MINT MOTOR

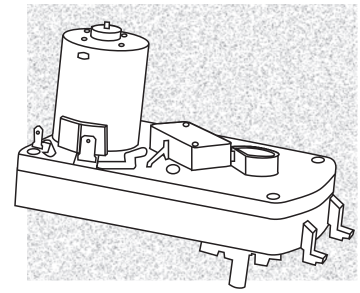
- For use on A.P. 425/430/435 machines
- Ref. No. 360065



Part Number		Price per ea.
H360065AP	Automatic Products Gum & Mint Motor	80.85

AUTOMATIC PRODUCTS PRODUCT MOTOR

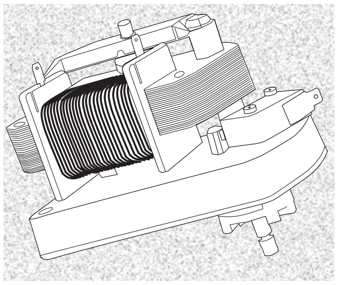
- For use on A.P. 4000/5000/6000/7000 machines
- Ref. No. 360138



Part Number		Price per ea.
H360138AP	Automatic Products Product Motor	18.75

AUTOMATIC PRODUCTS PRODUCT MOTOR

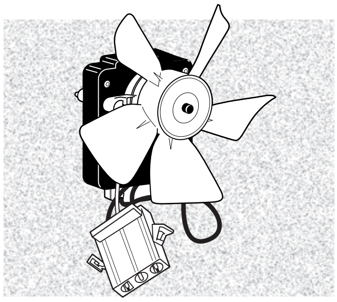
- For use on A.P. 400/500 series machine
- Ref. No. 360056



Part Number		Price per ea.
H360056AP	Automatic Products Product Motor	84.30

AUTOMATIC PRODUCTS VENTILATING FAN MOTOR

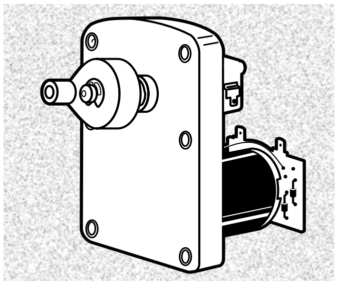
- For use on LCM 1, 2/ 111/112/113 machines
- 120V



Part Number		Price per ea.
H3601222AP	Automatic Products Ventilating Fan Motor	37.75

AUTOMATIC PRODUCTS GUM & MINT MOTOR

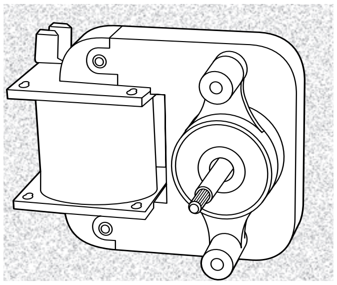
- For use on A.P. 4000/5000 machines
- Ref. No. 360081



Part Number		Price per ea.
H360081AP	Automatic Products Gum & Mint Motor	22.90

CHOICE VEND EVAPORATOR MOTOR

- Used on Choice Vend cold can machines
- Ref. No. 863243

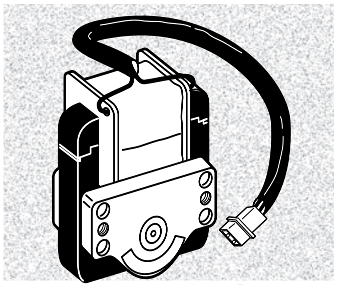


Part Number		Price per ea.
H863243CV	Choice Vend Evaporator Motor	20.95

MOTORS

COFFEE MAT BLOWER MOTOR – SHAFTLESS

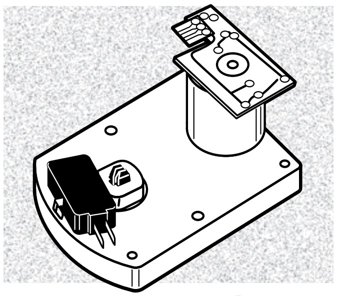
- For use on coffee mat 872/1072 Machines
- Ref. No. 418-1852



Part Number		Price per ea.
H4181852CM	Coffee Mat Blower Motor - Shaftless	61.15

NATIONAL 145/146 SNACK MACHINE PRODUCT VEND MOTOR

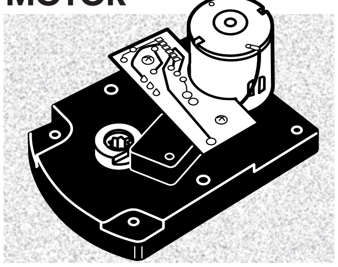
- For use on National 145/146 snack machines
- Ref. No. 145-7091



Part Number		Price per ea.
H1457091N	National 145/146 Snack Product Vend Motor	13.25

NATIONAL 147/148 PRODUCT VEND MOTOR

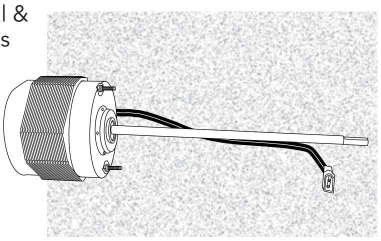
- For use on National glassfront machines
- Ref. No. 147-7112



Part Number		Price per ea.
H1477112N	National 147/148 Product Vend Motor	12.95

NATIONAL/ROWE CUP SODA AGITATOR MOTOR

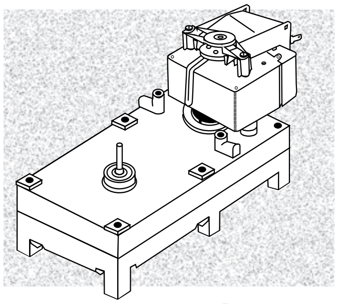
- For use on both National & Rowe cup soda machines
- National Ref. #311-8012
- Rowe Ref. No. 201-6019/405-1837



Part Number		Price per ea.
H3118012R	National Cup Soda Agitator Motor	88.80

NATIONAL/ROWE ICE CREAM DRIVE MOTOR

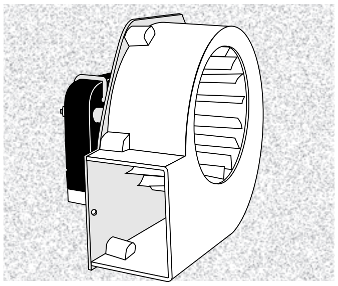
- Used on National and Rowe ice creammachines
- National Ref.No. 410-3059
- Rowe Ref. #112-1806



Part Number		Price per ea.
H1121806R	National/Rowe Ice Cream Drive Motor	49.10

NATIONAL BLOWER MOTOR ASSEMBLY

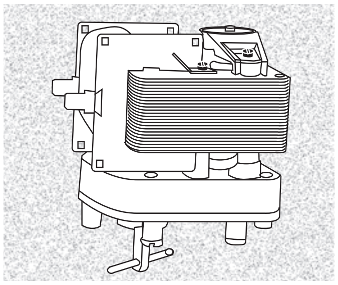
- Use on National, Shoppertron machines
- Old Ref. No. 430-2556
- New Ref. No.431-2210



Part Number		Price per ea.
H4302556N	National Blower Motor Assembly	40.20

RMI AUGER MOTOR

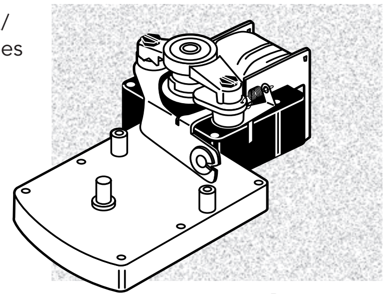
- For use on RMI 203, 213/203DC, 850 & 8050 coffee machines
- Ref. No. 22737



Part Number		Price per ea.
H13999RM	RMI Auger Motor – 90 RPM	58.00
H22737RM	RMI Auger Motor – 180 RPM	70.05

RMI CUP DROP MOTOR

- For 850/8050/211/211E/ 203/213/203DC machines

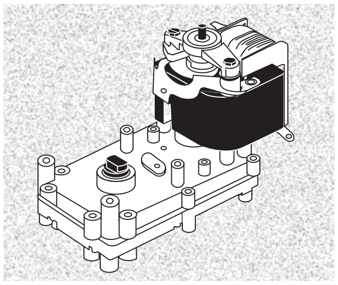


Part Number		Price per ea.
H16038RM	RMI Cup Drop Motor	68.45

MOTORS

RMI BREWER MOTOR

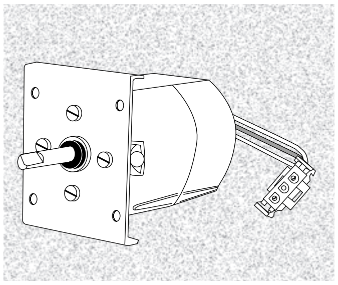
- Used on all machines
  - 203/211/213/8050/850/2000 Series
- Ref. No. 37756
- Replaces ref. no. 17365



Part Number		Price per ea.
H37756RM	RMI Brewer Motor	135.00

RMI WHIPPER MOTOR

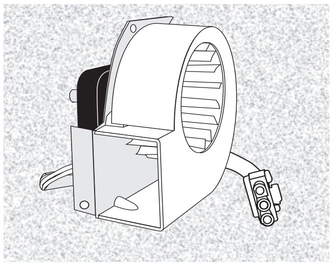
- Used on all machines
- Ref. No. 33524



Part Number		Price per ea.
H33524RM	RMI Whipper Motor	245.00

RMI BLOWER MOTOR ASSEMBLY WITH BRACKETS

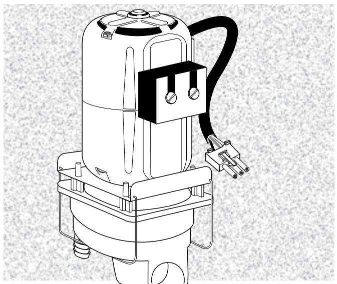
- Replaces all 'motors only' and 'motor assemblies' for all machines except the old 850
- Works on 8050 / 2000 Series / 211, 211E/ 203 / 213, 203DC coffee machines
- Ref. No. 37780



Part Number		Price per ea.
H37780RM	RMI Blower Motor Assembly with Brackets	69.95

RMI WHIPPER ASSEMBLY, WIRED

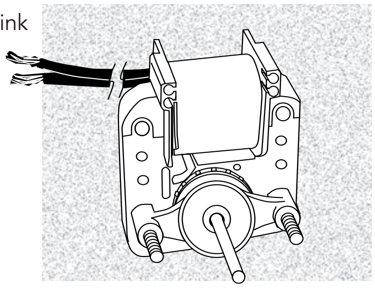
- For use on 213/203 machines



Part Number		Price per ea.
H35132RM	RMI Whipper Assembly, Wired	225.00

ROCK-OLA EVAPORATOR MOTOR

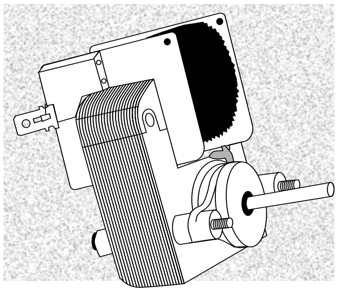
- For use on Rock-Ola can drink machines
- Ref. No. V-13853-A



Part Number		Price per ea.
H13853ARO	Rock-Ola Evaporator Motor	22.85

ROWE 448/448E/448E2 EVAPORATOR MOTOR

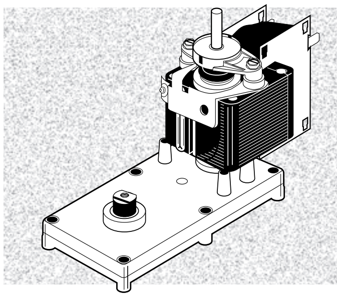
- For use 448/448E/448E2 cold food machines
- Ref. No. 448-1832



Part Number		Price per ea.
H4481832R	Rowe Evaporator Motor	20.50

ROWE 448/448E/448E2 TRANSPORT MOTOR – NEW STYLE

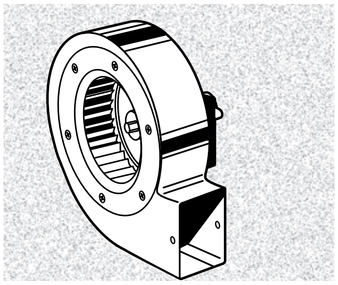
- For use on Rowe 448/448E/448E2 coldfood machines
- Ref. No. 448-1876



Part Number		Price per ea.
H4481876R	Rowe Transport Motor – New Style	213.70

ROWE BLOWER MOTOR ASSEMBLY

- Used on Rowe 448/448E/548/648 food machines
- Ref. No. 448-1886

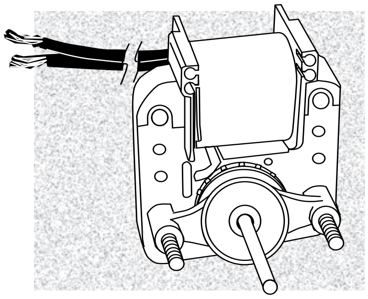


Part Number		Price per ea.
H4481886R	Rowe Blower Motor Assembly	65.85

MOTORS

ROWE 448/448E/448E2/548 BLOWER MOTOR

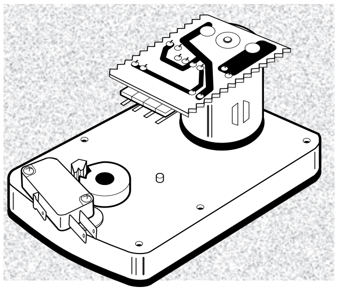
- For use on Rowe 448/448E/448E2/548/648 cold food machines
- Ref. #448-4544



Part Number		Price per ea.
H4484544R	Rowe Blower Motor	10.15

ROWE 490/4900 PRODUCT MOTOR

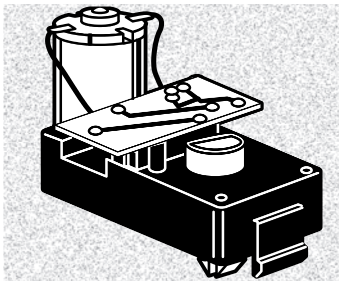
- For use on Rowe 490/4900 Glassfront machines
- Ref. No. 490-1725



Part Number		Price per ea.
H4901725R	Rowe 490/4900 Product Motor	18.45

ROWE 5900 PRODUCT MOTOR

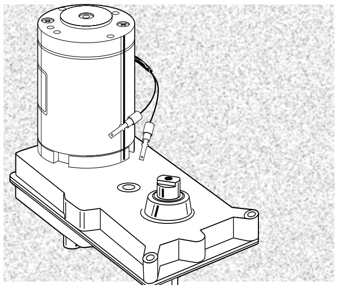
- For Rowe 5900 snack machine
- Ref. No. 493-1865



Part Number		Price per ea.
H4931865R	Rowe 5900 Product Motor	14.55

ROWE 548/648 TRANSPORT MOTOR

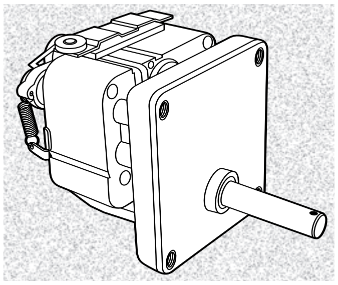
- Used on Rowe 548/648 food machine
- Ref. No. 548-1815



Part Number		Price per ea.
H5481815R	Rowe 548 Transport Motor	173.00

ROWE HOPPER DRIVE MOTOR

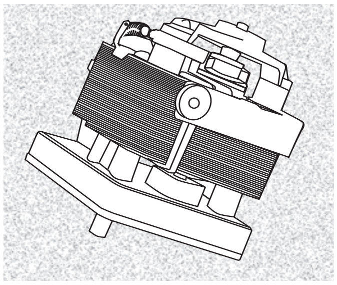
- Used on Rowe bill changers
- Ref. No. 450341-02



Part Number		Price per ea.
H45034102R	Rowe Bill Changer Hopper Drive Motor	55.05

ROWE STACKER MOTOR

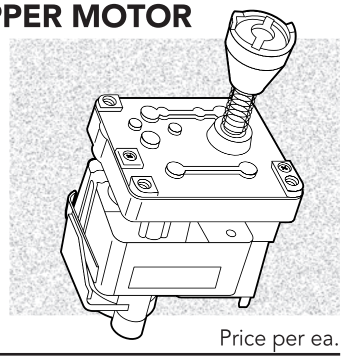
- For Rowe bill changer
- New Ref. No. 35072201
- Old Ref. No. 45052901



Part Number		Price per ea.
H45052901R	Rowe Stacker Motor	105.75

ROWE HOPPER MOTOR

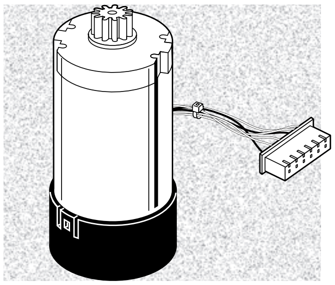
- Includes black knob and spring
- Ref. No.35049102



Part Number		Price per ea.
H35049102R	Rowe Hopper Motor	86.05

ROWE MOTOR ASSEMBLY

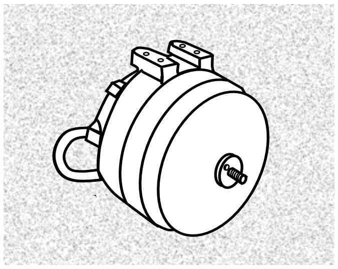
- For use on Rowe BA-50 machines
- Ref. No. 45058408



Part Number		Price per ea.
H45058408R	Rowe Motor Assembly	71.50

CONDENSER FAN MOTORS

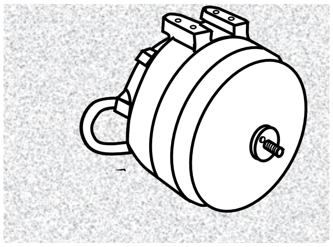
- Cast Iron or aluminum
- UL/CSA listed



Part Number		Price per ea.	L/12
27-1184-00	4 Watt Cast Iron	26.55	23.40
27-1009-00	6 Watt Cast Iron	27.20	23.60
27-1248-10	9 Watt Aluminum, Clockwise	26.35	24.15
27-1248-00	9 Watt Aluminum, Counter Clockwise	25.25	23.15
27-1001-00	9 Watt Cast Iron, Clockwise	27.20	23.60
27-1197-00	9 Watt Cast Iron, Counter Clockwise	30.60	25.00
27-1249-110	16 Watt, Cast Iron, Clockwise, 110V	34.20	31.30

35-WATT CONDENSOR FAN MOTOR

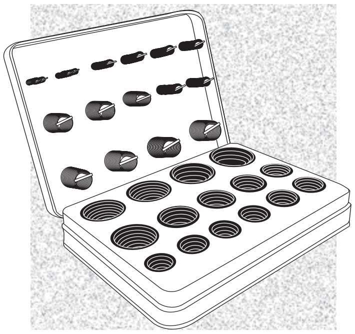
- For 448/448E/448E2 Machines
- Ref. No. 448-1228



Part Number		Price per ea.
H4481228R	35-Watt Condensor Fan Motor	122.00

O-RING KIT

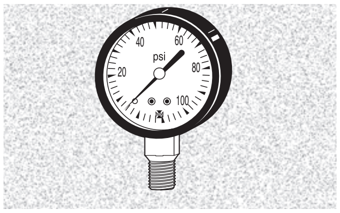
- A wide variety of o-rings to cover any application or emergency
- Sturdy plastic case neatly stores 30 sizes of the most popular o-rings
- Contains 383 o-rings
- Sizes range from 006 to 327



Part Number		Price per ea.
43-1467-00	O-Ring Kit	22.95

GAS PRESSURE GAUGE

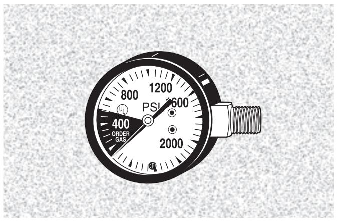
- 0-100 PSI
- 2” dial
- 1/4 NPT bottom connection



Part Number		Price per ea.
27-1305-00	Gas Pressure Gauge	12.70

CO$_2$ GAS PRESSURE GAUGE

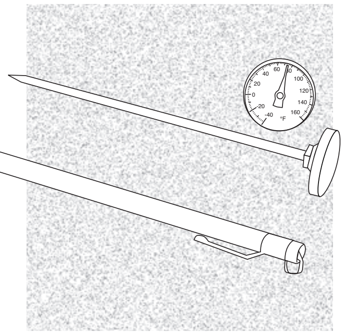
- 0-2000 PSI with red order gas zone
- 2” dial
- 1/4 NPT right connection
- For left hand connection
- Left hand thread



Part Number		Price per ea.
27-1306-00	CO$_2$ Gas Pressure Gauge	23.40

POCKET THERMOMETERS

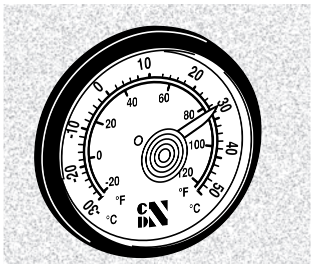
- Handy clip-on pocket thermometers used in the food industry
- 1" dial is easy to read
- Fits into a hard plastic pen-type case
- Case comes with a circular clip to hold the thermometer while testing hot food or liquids
- External hex nut allows temperature adjustments to the thermometer



Part Number		Price per ea.
27-1186-00	-40° to 160°F	5.90
27-1187-00	0° to 220°F	5.90

STICK ‘M UPS THERMOMETERS

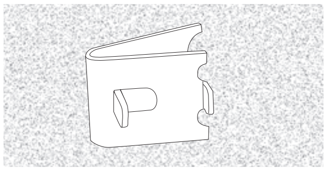
- Comes complete with a magnetic, and adhesive back
- Handy thermometer is easily placed anywhere, inside or outside of machine
- 2" Dial Face
- -20° C to +120° F
- Also reads in Celsius



Part Number		Price per ea.	L/6
27-1025-00	Stick ‘M Ups Thermometer	3.19	2.89

SHELF CLIP FOR TRUE COOLER

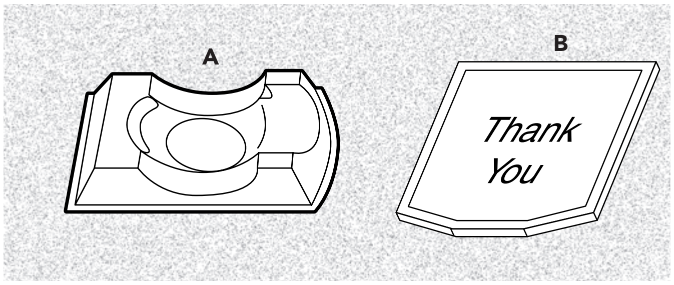
- Plated steel clips attach to cooler pilasters to hold shelves
- Used in True Coolers from 1981-1998



Part Number		Price per ea.
H831600T	Shelf Clip for True Cooler	.53

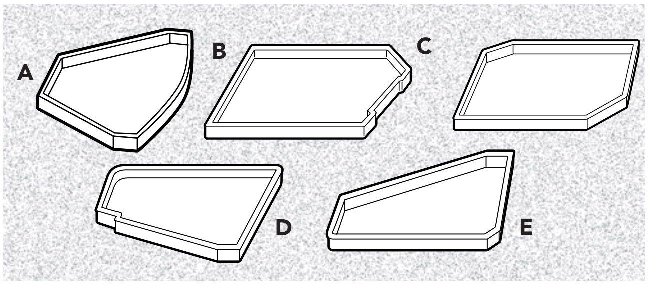
SHELF LINERS

ROWE 447 SHELF LINERS



Part Number		Key	Color	Price per ea.	L/1000
H447CLRR	Can & Fruit Holder	A	Red	.25	.22
H447CLWR	Can & Fruit Holder	A	White	.25	.22
H447CLBR	Can & Fruit Holder	A	Blue	.25	.22
H447PLRR	Pocket Liner	B	Red	.25	.22
H447PLWR	Pocket Liner	B	White	.25	.22

ROWE 448 SHELF LINERS

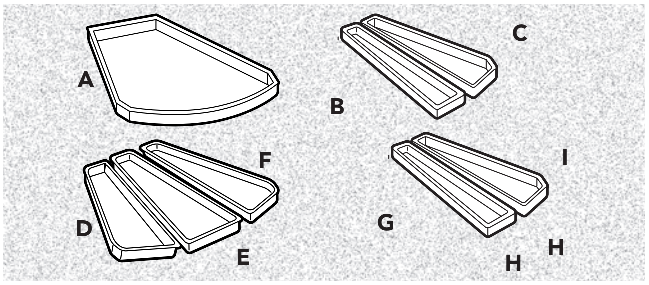


Part Number		Key	Color	Price per ea.	L/800
H448PLRR	Platter Liner	A	Red	.56	.49
H448PLWR	Platter Liner	A	White	.49	.44
H448PLBR	Platter Liner	A	Blue	.49	.44
H448PLBKR	Platter Liner	A	Black	.49	.44

Part Number		Key	Color	Price per ea.	L/700
H448TLWR	Top Liner	B	White	.29	.25
H448TLBR	Top Liner	B	Blue	.29	.25
H448BLWR	Bottom Liner	C	White	.27	.23
H448BLBR	Bottom Liner	C	Blue	.27	.23

Part Number		Key	Color	Price per ea.	L/750
H448LLRR	Left Liner	D	Red	.25	.21
H448LLWR	Left Liner	D	White	.23	.20
H448LLBR	Left Liner	D	Blue	.23	.20
H448LLBKR	Left Liner	D	Black	.21	.19
H448RLRR	Right Liner	E	Red	.25	.21
H448RLWR	Right Liner	E	White	.22	.19
H448RLBR	Right Liner	E	Blue	.24	.21
H448RLBKR	Right Liner	E	Black	.24	.21

NATIONAL SHOPPERTRON SHELF LINERS



Part Number		Key	Color	Price per ea.	L/1000
HPRN	Platter	A	Red	1.55	1.25
HPBN	Platter	A	Blue	1.55	1.25

Part Number		Key	Color	Price per ea.	L/900
H1/2LRNS	Left 1/2	B	Red	.53	.42
H1/2LWNS	Left 1/2	B	White	.53	.42
H1/2LBNS	Left 1/2	B	Blue	.53	.42
H1/2LBKNS	Left 1/2	B	Black	.53	.42
H1/2RRNS	Right 1/2	C	Red	.53	.42
H1/2RWNS	Right 1/2	C	White	.53	.42
H1/2RBNS	Right 1/2	C	Blue	.53	.42
H1/2RBKNS	Right 1/2	C	Black	.53	.42

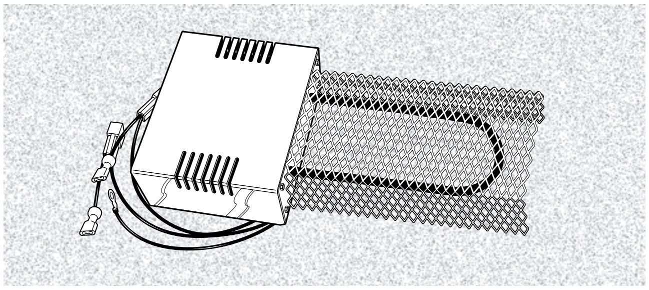
Part Number		Key	Color	Price per ea.	L/1100
H1/3LRNS	Left 1/3	D	Red	.32	.26
H1/3LWNS	Left 1/3	D	White	.32	.26
H1/3LBNS	Left 1/3	D	Blue	.32	.26
H1/3LBKNS	Left 1/3	D	Black		
H1/3RRNS	Right 1/3	F	Red	.32	.26
H1/3RWNS	Right 1/3	F	White	.32	.26
H1/3RBNS	Right 1/3	F	Blue	.32	.26
H1/3CWNS	Center 1/3	E	White	.34	.28
H1/3CBNS	Center 1/3	E	Blue	.34	.28
H1/3CBKNS	Center 1/3	E	Black	.34	.28

Part Number		Key	Color	Price per ea.	L/1600
H1/4RRNS	Right 1/4	I	Red	.22	.19

Part Number		Key	Color	Price per ea.	L/1300
H1/4CRNS	Center 1/4	H	Red	.20	.14

HAPP CONTROLS
is an authorized
COOP
BVA
INC.
Better Vendors Association
SUPPLIER

MINI-MAX 400 VENDOR HEATER



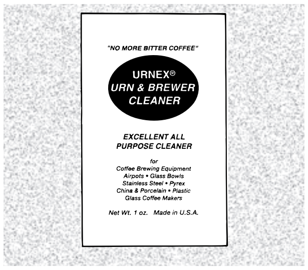
- 400 Watt heating element heats up quickly and economically. Works well on both large and small vending machines.
- Pilot light indicates when heater is on and assures your employees that the heater is working.
- Thermostat control turns heat on only when needed. As long as ambient temperature is below 35 degrees, heater keeps vendor at correct temperatures, thus extending compressor life.
- Easy installation – fits in front of the evaporator and behind the vend chute on most machines.
- Special heater available for Vendo series allows you to hard wire the Vendo Mini-Max heaters, particularly in the new large Vendo vendors that have no room under the vend chutes. The Vendo Mini-Max heaters have longer leads without terminals.

Heating Method	Initial Cost	Average Energy Cost Per Month	Percent Energy Savings Using Mini-Max
Light Bulbs	**$6.00**	**$15.77**	**180%**
Heat Tape	**$12.00**	**$9.79**	**74%**
Mini-Max	**$42.95**	**$5.64**	

Part Number	Description	Price per ea.
27-1331-00	Vendo Mini-Max 400 Vendor Heater	62.25

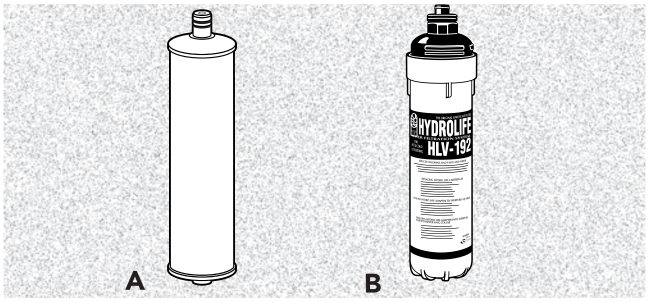
URN CLEANER

- Eliminates stale odors and bad taste from coffee
- Great for metal and glass fixtures. (Not recommended for aluminum)
- Easy to use 1 oz. package
- Minimum order 10



Part Number		Price per ea.	L/50
29-1160-00	Coffee Urn Cleaner	.39	.34

HYDRO LIFE WATER FILTER AND HEAD



- Hydro Life C1344 replacement water filter works on either hot or cold applications
- Removes or reduces chlorine, hydrogen sulfide, rotten egg smell, bad taste and odor
- In hot water applications, he unique media in Hydro Life water filter reduces lime and scale build up by altering the crystalline structure, taking away it's ability to cling, causing it to pass harmlessly on through the system, reducing maintenance costs
- In cold water applications, Hydro Life water filter controls bacteria growth, slime, yeast and mold
- The Hydro Life water filter media is U.S. EPA recognized as a bacteriostatic product, controlling bacteria build up in water lines. Bacteria is the cause of waterline contamination, turning black on the inside and altering the taste of the drink
- Independent lab tests have shown up to 90% lower bacteria levels using the Hydro Life water filter vs. most carbon only filters. Carbon is an organic medium, providing the environment and nutrients necessary for rapid bacteria growth
- Hydro Life water filter reduces chlorine in water by as much as 99%, based on Hydro Life's recommended schedule of changing the filter every 6 months or 2000 gallons
- The Hydro Life Adapter Kit easily fits directly into an Everpure head for equipment already in use. The Adapter Kit consists of 1 adapter head, 1 cartridge and 1 cartridge housing
- 6 cartridges per case

Key	Part Number		Price per ea.
A	27-1327-00	C1344 Replacement Water Filter	26.95
B	27-1328-00	Hydro Life Adapter Kit	38.50

Visit Our Web Site:
for NEW
Product Updates!!
HAPP
VISIT OUR WEBSITE

EVERPURE WATER FILTERS

EVERPURE 4H FILTER

- For hot water applications
- Features metering scale inhibitor feed
- Phosphate scale inhibition
- 1/2-micron precoat filter rated for chlorine taste and odor, particulate, asbestos and cyst reduction
- NSF submicron turbidity reduction
- Capacity: 1,500 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1010-00	Everpure 4H Filter	32.55

EVERPURE OCS FILTER

- 1/2-micron precoat filter rated for chlorine taste and odor, particulate, asbestos and cyst reduction
- NSF submicron turbidity reduction
- Phosphate scale inhibition
- Features metering scale inhibitor feed
- With scale inhibitor
- Capacity: 1,500 gallons
- Packed 6 per case

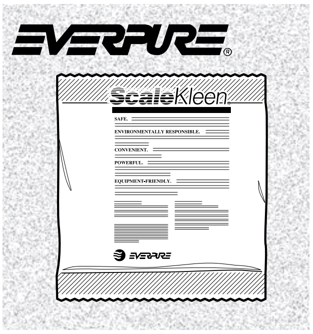
Part Number		Price per ea.
27-1042-00	Everpure OCS Filter	22.15

EVERPURE 2CB5-K FILTER

- For hot water applications
- 5-micron carbon block filter rated for chlorine taste and odor reduction
- Contains KDF® media for scale and slime control
- Capacity: 3,000 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1465-00	Everpure 2CB5-K Filter	23.50

SCALE CLEAN BY EVERPURE



- Used in coffee urns on all types of vending machines
- All natural, biodegradable, non-toxic/corrosive & environmentally safe
- Delimes
- Safe, organic formula eliminates scale without foul fumes
- Safe on contact with skin

Part Number		Price per ea.	Full Case
29-1049-00	1.75 oz. Package, 12 per case	2.25	2.15
29-1061-00	2.2 lb. Bag, 4 per case	18.25	17.05

EVERPURE 4C FILTER

- For cold water applications
- 1/2-micron precoat filter rated for chlorine taste and odor, particulate, asbestos and cyst reduction
- NSF submicron turbidity reduction
- Capacity: 3,000 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1011-00	Everpure 4C Filter	25.10

EVERPURE 4K-PLUS FILTER

- For hot water applications
- 5-micron precoat filter containing KDF® media
- Provide all the benefits of precoat filters while reducing slime and excessive scale problems
- Capacity: 3,000 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1289-00	Everpure 4K-Plus Filter	29.75

EVERPURE 2CB5 FILTER

- For cold water applications
- 5-micron carbon block filter rated for chlorine taste and odor reduction
- Capacity: 3,000 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1466-00	Everpure 2CB5 Filter	19.35

EVERPURE 2CB5-S FILTER

- For hot water applications
- 5-micron carbon block filter rated for chlorine taste and odor reduction and scale inhibition
- Capacity: 3,000 gallons
- Packed 6 per case

Part Number		Price per ea.
27-1467-00	Everpure 2CB5-S Filter	21.45

CUNO WATER FILTERS

CUNO CS-14 WATER FILTER

- For OCS/Vending hot cup applications
- Retrofit cartridge for competitive systems
- Does not require activation
- 1-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Capacity: 2,500 gallons or 333 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0150-00	Cuno CS-14 Water Filter	24.64

CUNO CS-15 WATER FILTER

- For OCS/Vending cold cup applications
- Retrofit cartridge for competitive systems
- Does not require activation
- 1-micron sediment reduction
- Chlorine taste and odor
- Capacity: 2,500 gallons or 333 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0151-00	Cuno CS-15 Water Filter	20.09

CUNO CS-24 WATER FILTER

- For OCS/Vending hot cup applications
- Retrofit cartridge for competitive systems
- Does not require activation
- 0.5-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Cyst reduction
- Capacity: 2,000 gallons or 266 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0149-00	Cuno CS-24 Water Filter	25.17

CUNO CS-341 WATER FILTER

- For Vending/OCS in-line and low volume hot cup applications
- 5-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Capacity: 1,500 gallons or 200 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0144-00	Cuno CS-341 Water Filter	10.10

CUNO CS-451 WATER FILTER

- For OCS/Vending in-line and low volume hot cup applications
- Sanitary quick change system
- 5-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Capacity: 1,500 gallons or 200 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0146-00	Cuno CS-451 Water Filter	30.48
27-0145-00	Cuno CS-51 Replacement Cartridge only	12.85

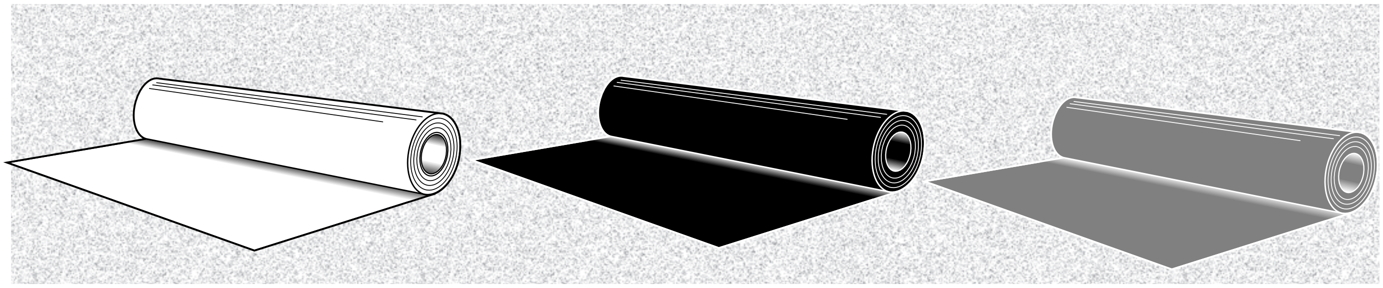
CUNO CS-571 WATER FILTER

- For OCS/Vending hot cup applications
- Sanitary quick change system
- Red locking button ensures proper fit
- Premium performance carbon block does not require activation
- 1-micron sediment reduction
- Chlorine taste and odor
- Scale inhibition
- Capacity: 3,500 gallons or 466 cups per day
- Packed 12 per case

Part Number		Price per ea.
27-0148-00	Cuno CS-571 Water Filter	58.82
27-0147-00	Cuno CS-71 Replacement Cartridge Only	32.57

Visit Our Website For Special Promotions

VINYL

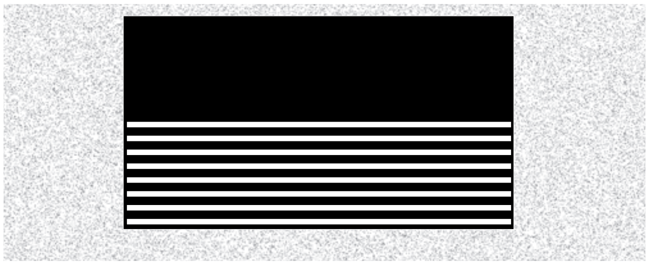


- Refurbish your old machines to look like new
- Heavy duty vinyl with easy to peel, pressure sensitive backing
- Resists fading, scratching & chemicals
- Exact match to original equipment vinyl
- Ideal for refurbishing, rebuilding of old machines or matching old vending banks with newer updated equipment
- Sold per foot

Part Number	Color	Material Width	Roll Length	Price per foot 1-149 ft.	 150 ft. (full rolls)
49-0572-00	Bison Black Vinyl	40"	150′	4.80	4.00
49-0535-00	Black Hide Vinyl	40"	150′	5.00	4.20
49-0474-00	Black Pica Vinyl	40"	150′	5.00	4.20
49-0474-10	Black Pica Vinyl	49"	100′	5.00	4.20
49-0565-00	Morocco Gray Vinyl	40"	150′	4.70	4.52
27-1049-00	Slate Vinyl	40"	150′	5.00	4.20
49-0479-00	Sterling Royce Vinyl	40"	150′	6.75	5.40

GENESIS PANEL

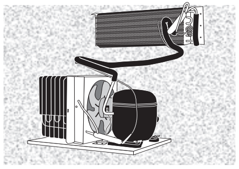
- New heavy duty extra thick 11 mil vinyl
- Refurbish old or damaged machines to look like new!
- Matches Happ Controls "Black Hide Vinyl" Part Number 49-0535-00
- Pressure sensitive adhesive backing
- Size: 49" W x 36" H
- Black vinyl with silver stripes



Part Number		Size	Price per ea.
27-1157-00	Genesis Panel Overlay	49" W x 36" H	18.95

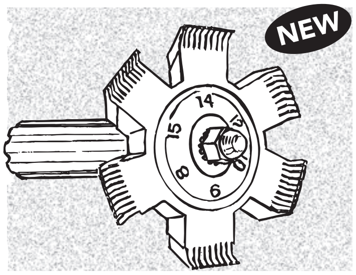
REFRIGERATION ASSEMBLIES FOR DIXIE NARCO MACHINES

Dixie-Narco®



Part Number	Description	Price per ea.
H56014140004DN	168/180/240/276/300/320/348/ 360/368/414/432/440	479.20
H60904350004DN	276E/489 non-Coke/501E/501T non-Coke 522T non-Coke/600E/630L/ DMV 72N/DMV 72W	469.80
H56034460014DN	432T/489 Coke/501T Coke/522T Coke/588/600T/630T	540.60

6-IN-1 FIN COMB

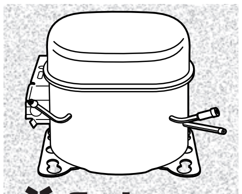


- Cleans and straightens condenser and evaporator coil fins for maximum efficiency
- Compact for confined spaces
- Handle is 3-1/2" long
- For fins having spacing of 8, 9, 10, 12, 14 and 15 fins per inch

Part Number		Price per ea.
92-1393-00	6-In-1 Fin Comb	18.25

COMPRESSORS

- Happ Controls is now an authorized Aspera / Embraco distributor.
- We inventory a full line of 1/3 and 1/2 horsepower compressors, available either individually boxed or save money and purchase in full skids of 36.



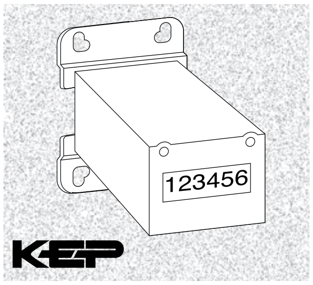
Embraco

Part Number		Price per ea.
27-1377-00	Embraco 1/3 HP, Normal Torque, R12, W/O Capacitor	95.00
27-1377-10*	Embraco 1/3 HP, Normal Torque, R12, W/O Capacitor	85.20
27-1364-00	Embraco 1/3 HP, High Torque, R12, W/ Capacitor	120.40
27-1364-10*	Embraco 1/3 HP, High Torque, R12, W/ Capacitor	86.40
27-1371-00	Embraco 1/3 HP, High Torque, R134, W/ Capacitor	116.00
27-1371-10*	Embraco 1/3 HP, High Torque, R134, W/ Capacitor	98.85
27-1375-10*	Aspera 1/3 HP, Normal Torque, R12, W/O Capacitor	95.75
27-1373-10*	Aspera 1/3 HP, High Torque, R12, W/ Capacitor	103.05
27-1367-00	Aspera 1/2 HP, High Torque, R12, W/ Capacitor	214.20
27-1367-10*	Aspera 1/2 HP, High Torque, R12, W/ Capacitor	147.75
27-1369-00	Aspera 1/3 HP, High Torque, R134, W/ Capacitor	147.90
27-1369-10*	Aspera 1/3 HP, High Torque, R134, W/ Capacitor	104.05
27-1232-00	Aspera 1/2 HP, High Torque, R134, W/ Capacitor	173.80
27-1232-10*	Aspera 1/2 HP, High Torque, R134, W/ Capacitor	157.15

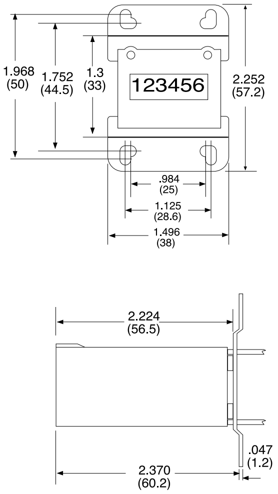
- Denotes Full Skid (36pcs)

KESSLER ELLIS 6-DIGIT METER

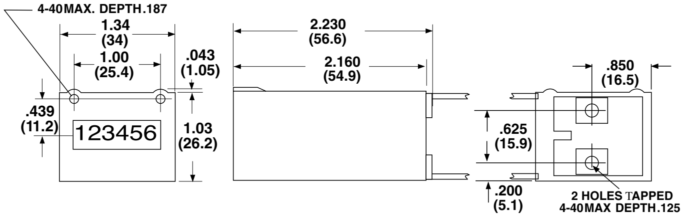
- Electric, non-resettable counter
- 6 digit, counts to 999,999 then repeats
- 600 counts per minute
- With mounting bracket
- With or without diode
- 10" wire leads



6-DIGIT METER W/BRACKET DIMENSIONS



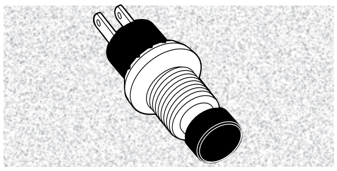
6-DIGIT METER WITHOUT BRACKET DIMENSIONS



Part Number	Voltage	Bracket	Diode	Price per ea.	L/24
42-1168-00	4.5/6 DC	Yes	No	5.70	5.30
42-2093-00	4.5/6 DC	Yes	Yes	6.15	5.85
42-2093-01	4.5/6 DC	No	Yes	6.30	6.00
42-0614-00	12 DC	Yes	Yes	6.15	5.85
42-0092-00	12 DC	Yes	No	5.80	5.45
42-6914-00	12 DC	No	Yes	6.15	5.85
42-1317-00	24 DC	Yes	No	5.80	5.45
42-3140-00	24 AC	Yes	No	6.75	6.45
42-7032-00	24 DC	Yes	Yes	7.15	6.55
42-1396-00	48 AC	Yes	No	6.90	6.60
42-1167-00	120 AC	Yes	No	6.75	6.45
42-1169-00 (72" Leads)	120 AC	Yes	No	7.40	7.10

MOMENTARY CONTACT SWITCH

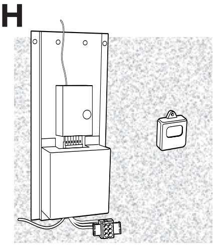
- Includes washer and nut
- SPST



Part Number		Price per ea.	L/100
95-0011-00	Momentary Contact Switch	1.20	1.10

NATIONAL 222 LOCKOUT DEVICE, BY LUTECH

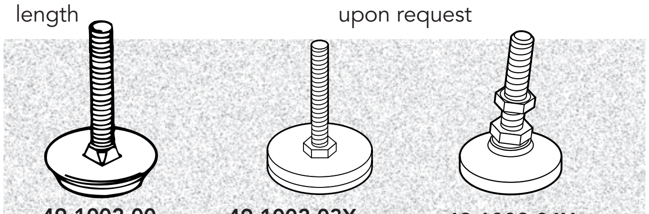
- For use on National 222 Cigarette machine
- Lutech delivers the highest security in the prevention of minors from vending cigarettes
- Radio frequency remote control requires no wiring



Part Number		Price per ea.
30-0081-00	"Hardware" Lockout Device	196.70
30-0118-00	Remote Only, F/H0150N	42.80
49-6176-00	Replacement Battery for Remote	6.40

LEG LEVELERS

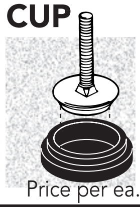
- 1-1/2", 2" or 4" thread length
- Other sizes available upon request



Part Number	Description	Thread	Thread Length	Load	Base Dia.	Price per ea.	L/25
49-1002-03	Leg Leveler w/o nut	3/8–16	1-1/2"	200lb.	1.75"	.95	.88
49-1002-00	Leg Leveler w/o nut	3/8–16	2"	200lb.	1.75"	.86	.81
49-1002-02	Leg Leveler w/nut	3/8–16	2"	200lb.	1.75"	.93	.88
49-1002-035	Leg leveler w/o nut	3/8–16	2"	250lb.	2.03"	6.00	4.75
49-1002-038	Leg leveler w/o nut	1/2–13	2"	500lb.	2.40"	6.30	5.55
49-1002-041	Leg leveler, Swivel w/nut	3/8–16	2"	3750lb.	1.25"	14.10	11.75
49-0449-00	Leg leveler w/o nut	3/8-16	3"		1.75"	1.35	1.20
49-3042-00	Leg Leveler, Swivel w/nut	3/8–16	4"	3750lb.	1.25"	17.10	13.65
49-3043-00	Leg Leveler, Swivel w/nut	1/2–13	4"	3750lb.	1.25"	30.45	23.40
49-1002-042	Leg leveler, Swivel w/nut	1/2–13	2"	5000lb.	1.875"	21.85	17.15
49-1002-01	Leg Lever Nut	3/8–16	—	—	—	.13	.12
49-1002-04	T-Nut	3/8	—	—	—	.62	.54

BLACK RUBBER LEG LEVELER CUP

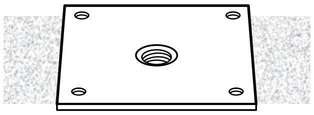
- Ideal for amusement and vending equipment
- Prevents equipment from slipping or sliding
- Fits leg levelers with 1-3/4" base diameter or less
- Will not scratch floors



Part Number		Price per ea.
26-1528-00	Black Rubber Leg Leveler Cup	1.30

LEG LEVELER MOUNTING PLATE

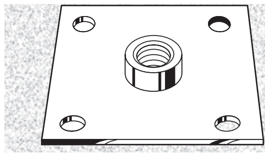
- 3/8" thread
- Steel plated



Part Number		Price per ea.	L/12
49-1500-00	Leg Leveler Mounting Plate	3.05	2.45

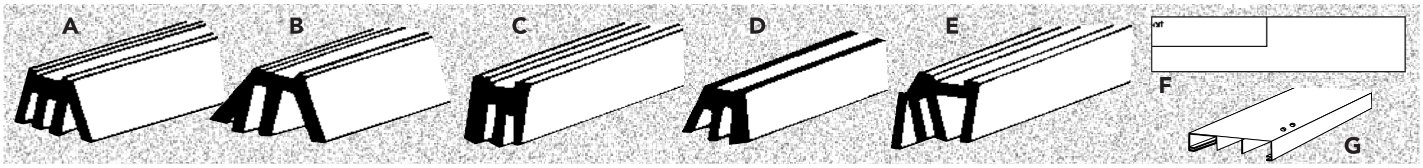
LEG LEVELER MOUNTING PLATE WITH 1/2" PEM NUT

- With 1/2-13" Pem Nut for leg leveler
- 2.75" square
- 2" center mounting holes
- Mounting holes .31" diameter



Part Number		Price per ea.
49-1501-00	Leg Leveler Mounting Plate w/Pem Nut	8.50

REPLACEMENT TRIM FOR AUTOMATIC PRODUCTS



FOR AUTOMATIC PRODUCTS CROWN STYLE, 430 SERIES

Item Key	Part Number	Description	Length	Price per ea.
A	H3400562AAP	Outside Horizontal Top & Bottom, Black	37 1/16"	5.60
B	H3400548AP	Inside Horizontal, Satin	3 1/16"	5.30
B	H3400548AAP	Inside Horizontal, Black	37 1/16"	5.30
B	H3400541AP	Inside Horizontal, Satin	27"	5.30
B	H3400541AAP	Inside Horizontal, Black	27"	5.70
B	H3400541VAP	Inside Vertical (Right or Left), Satin	46 1/2"	8.75
B	H3400541VAAP	Inside Vertical (Right or Left), Black	46 1/2"	8.75
A	H3400561AP	Outside Vertical, Satin	65 7/8"	11.55
A	H3400561AAP	Outside Vertical, Black	65 7/8"	11.55
-	H6610SAP	Complete Set 9 Pc Satin	-	67.00
-	H6610BAP	Complete Set 9 Pc Black	-	73.80

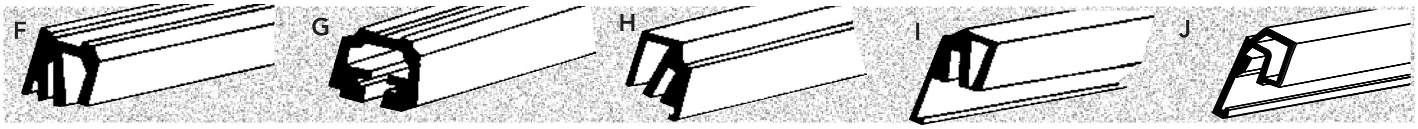
FOR AUTOMATIC PRODUCTS CROWN STYLE, 4000 SERIES

Item Key	Part Number	Description	Length	Price per ea.
A	H3400562AAP	Outside Horiz., Top/Bottom, Black	3 1/16"	5.60
A	H3400561AP	Outside Vertical, Satin	68 7/8"	11.55
A	H3400561AAP	Outside Vertical, Black	68 7/8"	11.55
B	H3400548AP	Inside Horizontal, Satin	37 1/16"	5.30
B	H3400548AAP	Inside Horizontal, Black	37 1/16"	5.30
B	H3400541AP	Inside Horizontal Glass, Satin,	27"	5.30
B	H3400541AAP	Inside Horizontal Glass, Black,	27"	5.70
B	H34005428AP	Inside Vertical, Right/Left, Satin	48 7/8"	8.75
B	H34005428AAP	Inside Vertical, Right/Left, Black	48 7/8"	8.75
F	H140AAP	Top Header Insert	4 3/4" x 40"	8.70
G	H447519R	Horizontal Header, Satin	40"	8.15
G	H447520R	Horizontal Header, Black	40"	9.35
–	H6601SAP	Complete Set, 9 Pc., Satin	–	67.00

FOR AUTOMATIC PRODUCTS IMPERIAL CROWN STYLE, 6000-7000 SERIES

Item Key	Part Number	Description	Length	Price per ea.
C	H66023118AP	Outside Horizontal, Satin, 6000	31 3/8"	7.65
C	H6602313AP	Outside Horizontal, Satin, 7000	36 7/8"	7.45
C	H6602313AAP	Outside Horizontal , Black, 7000	36 7/8"	7.45
E	H340057AP	Outside Vertical, Satin, 6000/7000	65 5/8"	11.95
E	H340057AAP	Outside Vertical, Black, 6000/7000	65 5/8"	11.55
D	H3400581AAP	Inside Horizontal, Black, 6000/7000	26 11/16"	5.70
D	H340584AP	Inside Vertical, Satin, 6000/7000	50 15/16"	9.65
D	H340584AAP	Inside Vertical, Black, 6000/7000	50 15/16"	9.65
G	H447519R	Horizontal Header, Satin	40"	8.15
G	H447520R	Horizontal Header, Black	40"	9.35
–	H6602SAP	Complete Set, 9 Pc., Satin, 6000	–	76.90
–	H6602BAP	Complete Set, 9 Pc., Black, 6000	–	83.65
–	H6603SAP	Complete Set, 9 Pc., Satin, 7000	–	83.65
–	H6603SAP	Complete Set, 9 Pc., Black, 7000	–	83.65

REPLACEMENT TRIM FOR NATIONAL



FOR GLASSFRONT, 140 SERIES THRU SNACKTRON, CUP SODA, MILK, ICE CREAM, COFFEE, CANDY, & SHOPPERTRON

NATIONAL IMPERIAL CROWN STYLE 72"

Item Key	Part Number	Description	Length	Price per ea.
F	H1302407SN	Top & Bottom Horizontal - Satin	36½"	7.45
F	H1452228BN	Top & Bottom Horizontal - Black	36½"	7.45
G	H1302408SN	Mid Horizontal - Satin	36½"	7.45
G	H1302408BN	Mid Horizontal - Black	36½"	7.45
H	H1302409SN	Vertical Trim - Satin	65¾"	15.15
H	H1452203BN	Vertical Trim - Black	65¾"	15.15
I	H1302409XSN	Vertical Trim w/ Extended Side - Satin	65¾"	15.15
I	H1452203XBN	Vertical Trim w/ Extended Side - Black	65¾"	15.15
J	H4302274N	Shoppertron Vertical Trim, Satin	—	12.70
—	H6605BN	Complete Set Black 6 Pc - 2 Verticals 4 Horizontals	—	59.70

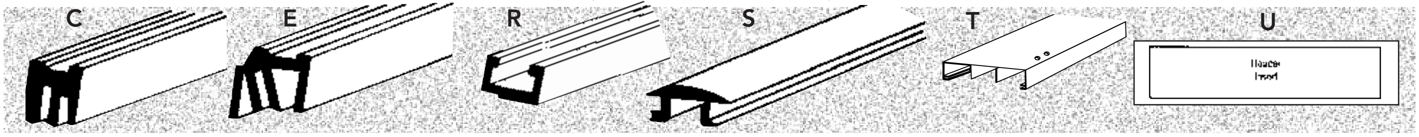
NATIONAL COLD FOOD IMPERIAL CROWN STYLE 72" FOR FOODTRON/GRAND GOURMET

Item Key	Part Number	Description	Length	Price per ea.
I	H4242163N	Vertical Door Side, Main, Center, Satin	66"	14.25
I	H4242163BN	Vertical Door Side, Main, Center, Black	66"	14.25
G	H4242053N	Mid Horizontal Door, Satin	44"	8.15
G	H4242053BN	Mid Horizontal Door, Black	44"	8.15
G	H4245122BN	Mid Monetary Trim, Black	9⅛"	3.85
F	H4242041N	Top & Bottom Horizontal Door, Satin	44"	8.15
F	H4242041BN	Top & Bottom Horizontal Door, Black	44"	8.15
F	H4245068BN	Top & Bottom Monetary, Black	9⅛"	3.85
—	H6606SN	Complete Set 12 Pc Satin	—	107.00
—	H6606BN	Complete Set 12 Pc Black	—	107.00

HAPP CONTROLS SELLS BRAND NAME QUALITY

WESCO Industrial Products, Inc.
ZIPPY
Master Lock
KROY®
Lynde-Ordway
S.E.M. inc.
PĀP-R Products
MAGLINER® Route Distribution Solutions
OLSSON TERGO CLEANING TECHNOLOGY
LOCTITE®
mei
FEDERAL LOCK COMPANY
KEP
OETIKER®
MAG LITE®
DURACELL®
Campbell®
WD-40®
CHERRY®
Embraco
Stevens
Diamond®/Xcelite®
HAPP CONTROLS
Escort
Ardac®
Camie
EAGLE
portasol® P-1
AMERICAN LOCK
KLOPP® INTERNATIONAL, INC.
MAGNER
ROYAL VENDORS
KESTER®
AZKOYEN
molex
ITW Devcon®
CashCode®
Dixie-Narco®
COOPER Bussmann
3M
HUBBELL® Wiring Device Division
INSTANT KRAZY GLUE
TRIPP·LITE POWER PROTECTION
RAYOVAC
NORTECH
EVERPURE®
BladeSmith®
Weller®/Ungar®
Weller®
iCT
Wiss®
Plumb®
Lectro Truck™ STAIR CLIMBING SYSTEM
GATOR GRIP UNIVERSAL SOCKET
MAG II 20
VELCRO BRAND FASTENING SYSTEMS
Xcelite
IMONEX®
EVEREADY®
KEY-BAK DIV. OF WEST COAST CHAIN MFG. CO.
GEMINI® THE ORIGINAL CONVERTIBLE HAND TRUCK
ADVANCE TRANSFORMER CO.
Crescent®
Dutro COMPANY

REPLACEMENT TRIM for R.M.I.



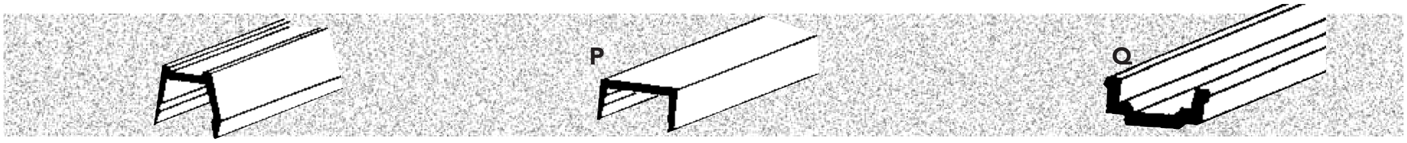
R.M.I. 850, NEW STYLE

Item Key	Part Number	Description	Length	Price per ea.
C	H6602313AP	Outside Horizontal Trim, Satin	33 1/2"	7.45
C	H3400553BAP	Outside Horizontal Trim, Black	33 1/2"	7.45
E	H340057AP	Outside Vertical Trim, Satin	65 5/8"	11.95
—	H6611SAP	Complete Set 6 Pc Satin	—	51.75
—	H6611BAP	Complete Set 6 Pc Black	—	59.10

R.M.I. COFFEE, OLD STYLE

Item Key	Part Number	Description	Length	Price per ea.
R	H447523BR	Vertical Side Black	66"	7.75
S	H447414BR	Vertical Insert Black	66"	1.95
R	H4266SR	Horizontal Satin	40"	5.00
R	H4266BR	Horizontal Black	40"	5.00
S	H4266IR	Horizontal Insert Black	40"	1.70
T	H447519SR	Horizontal Header Satin	40"	8.15
T	H447519BR	Horizontal Header Black	40"	9.35
U	H447525MR	Header Insert Metal	40"	3.50

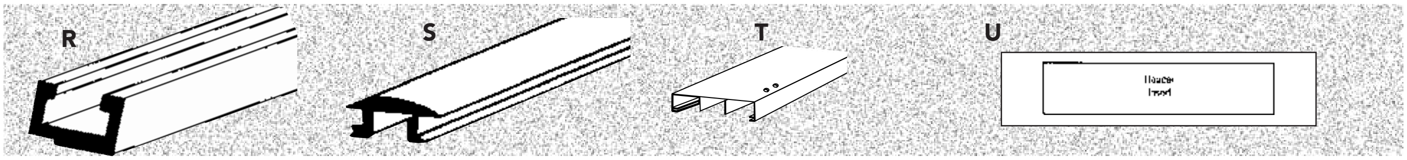
REPLACEMENT TRIM FOR ROWE



NEW STYLE ROWE TRIM

Item Key	Part Number	Description	Length	Price per ea.
O	H983101SR	New Style Vertical Satin	65 5/16"	6.90
O	H983101BR	New Style Vertical Black	65 5/16"	7.15
P	H983220SR	New Style Horizontal Satin	38 3/8"	3.70
P	H983220BR	New Style Horizontal Black	38 3/8"	4.15
P	H983200BR	New Style Inside Vertical Black	48 3/4"	6.90
Q	H983327R	Trim Retainer Inner Vertical	48"	6.90

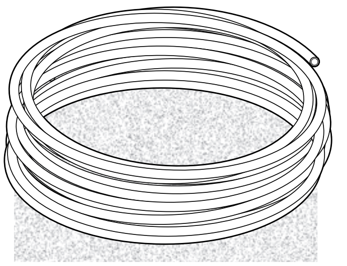
REPLACEMENT TRIM FOR ROWE (CONT.)



ROWE TRIM AWARD STYLE
FOR 147 THRU 488E2 COLD FOOD • 548 GLASS FRONT • ICE CREAM • MILK

Item Key	Part Number	Description	Length	Price per ea.
R	H447523BR	Vertical Side Black	66"	7.75
S	H447414BR	Vertical Insert Black	66"	1.95
R	H4266SR	Horizontal Satin	40"	5.00
R	H4266BR	Horizontal Black	40"	5.00
S	H447519SR	Horizontal Header Satin	40"	8.15
T	H447519BR	Horizontal Header Black	40"	9.35
U	H447525MR	Header Insert Metal	40"	3.50

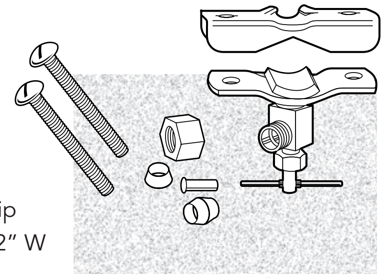
PVC TUBING



- Food grade PVC tubing
- Excellent chemical resistance to a variety of substances
- Glass clear material allows quick inspection of flow
- Very flexible
- FDA sanctioned
- Minimum order 100 feet
- Comes in rolls of 100 feet

I.D.	O.D.	Part Number	L/100	L/500
1/4"	3/8"	27-1262-00	.18	.16
1/4"	7/16"	27-1084-00	.32	.29
5/16"	7/16"	27-1261-00	.20	.18
5/16"	1/2"	27-1086-00	.43	.41
3/8"	9/16"	27-1085-00	.31	.29

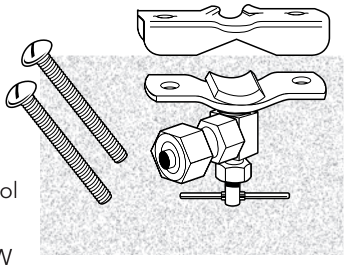
SELF-TAPPING 1/4" VALVE KIT



- For brass or copping tubing, 3/8" to 1- 3/8" O.D.
- Valve outlet is 1/4" compression fitting
- No drilling, screw down handle pierces tubing
- Handle then is a valve control
- Stainless steel piercing tip
- Overall size: 1-1/2" H x 2" W

Part Number		Price per Each	L/6
27-1274-00	Self-Tapping 1/4" Valve Kit	9.60	8.75

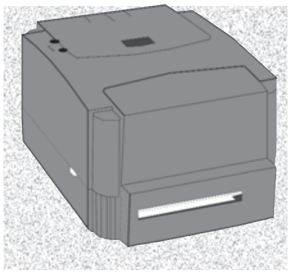
SELF-TAPPING 3/8" VALVE KIT



- Stainless steel tube support and delrin sleeve
- For brass or copper tubing, 3/8" to 1-3/8" O.D.
- Valve outlet is 3/8" compression fitting
- No drilling, screw handle pierces tubing
- Handle then is a valve control
- Stainless steel piercing tip
- Overall size: 1-1/3" H x 2" W

Part Number		Price per Each	L/6
27-1275-00	Self-Tapping 3/8" Valve Kit	11.20	10.25

KROY K4350 INDUSTRIAL 4" THERMAL PRINTER



- High-resolution thermal-transfer and/or direct-thermal printing at 300dpi.
- Great for labeling and identifying equipment and machines.
- 1MB Flash, 2MB DRAM
- Rotary cutter included on K4350C.
- Real time clock, Black Mark Sensor
- Easy to load.
- Prints continuous-feed labels up to 38" (989mm) in length and up to 4.09" (104mm) in width.
- Prints on labels, shrink tubing, wire wraps, facility signs, health and safety signs and banners.
- Prints up to 2" per second at 300 dpi (12 dots/mm).
- Powerful label design software package including barcodes
- Fonts: Windows-based true-type fonts plus 5 Alphanumeric fonts.
- Bar-code include: Code 39, Code 93, Code 128UCC, Code 128, subsets A, B, C, Codabar, Interleave 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2 digit add on.
- 2 Dimensional Barcodes including: PDF-417, Maxicode, Datamax.
- Interface: RS232 Serial and Centronics parallel.
- AC Power Adapter: 110/220 VAC +/- 10% single phase 60/50 Hz. Meets UL, CSA, & TUV-GS standards and FCC Class A & CE standards.
- Printer depth: 8.9" (226 mm)
- Printer height: 5.32 (135 mm)
- Printer weight: 4 Lbs. (1.81kg)
- Printer width: 7.9" (200 mm)
- Operating temperature: 40° F to 104° F (5° C to 40° C).
- Storage temperature: 14° F to 140° F (-10° C to 60° C).
- Humidity 10% to 90% non-condensing.
- Ventilation: free air.
- Limited Warranty: 1 year parts and labor; 90 day print head and software

KROY®

Part Number		Price per ea.
27-1471-00	Kroy K4350 Industrial 4" Thermal Printer	866.00
27-1469-00	Kroy Resin Ribbon 4.33"x985'	43.70

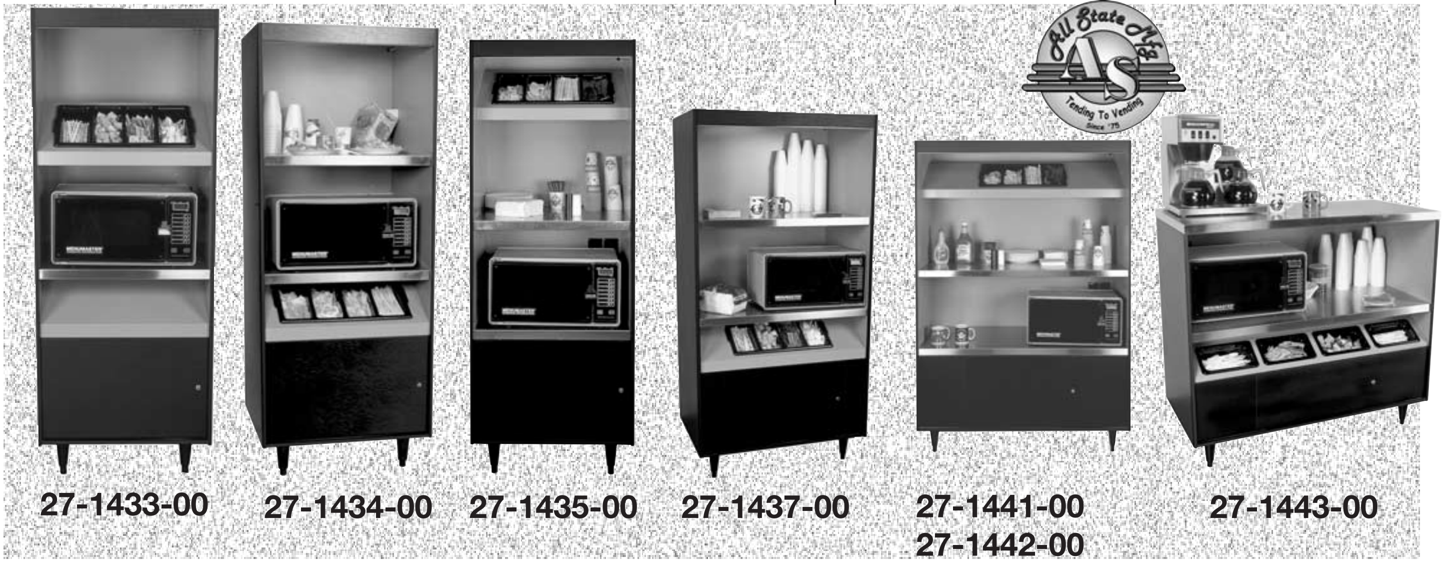
Visit Our Web Site:
for **NEW**
Product Updates!!
HAPP
VISIT OUR WEBSITE

ALL STATE CONDIMENT STANDS

- Heavy duty double-wall metal construction
- Stainless steel shelves
- Durable Bison Black exterior vinyl
- Attractive gray interior
- One 20 amp electrical receptacle per shelf, cabinet mounted
- Locked storage door (non-locking handle included)
- Meets all ADA standards
- Equipped with 12 ft. electrical cord
- Optional light kit and condiment tray available for some models

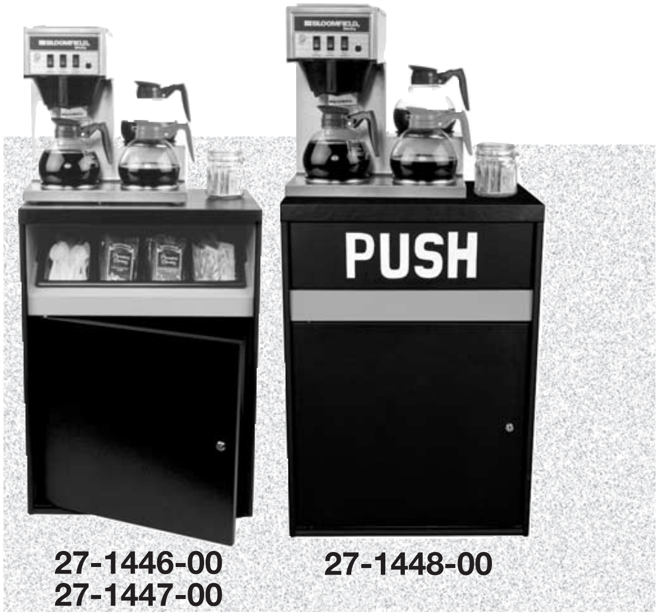
Happ No.	Ref. No.	Size	Shelf	Tray	Price per ea.
27-1433-00	AS271	27" W X 72" H X 23" D	Single	High	539.95
27-1434-00	AS272	27" W X 72" H X 23" D	Double	Low	586.15
27-1435-00	AS272HT	27" W X 72" H X 23" D	Double	High	568.00
27-1436-00	AS361	36" W X 72" H X 23" D	Single	Low	557.20
27-1437-00	AS362	36" W X 72" H X 23" D	Double	Low	602.85
27-1438-00	AS491	49" W X 72" H X 23" D	Single	Low	670.50
27-1439-00	AS492	49" W X 72" H X 23" D	Double	Low	715.40
27-1440-00	AS492-4*	49" W X 72" H X 23" D	Double	Low	809.25
27-1441-00	AS492-HT	49" W X 72" H X 23" D	Double	High	715.40
27-1442-00	AS492-4-HT*	49" W X 72" H X 23" D	Double	High	809.25
27-1443-00	SSI	49" W X 45" H X 25.5" D	Single	Low	684.95
27-1444-00	Optional Light Kit (Not Available For SSI)				33.95
27-1445-00	Optional Second Condiment Tray (Only available for AS492, AS 492-HT, AS492-4 & AS492-4-HT)				45.90

* 4 Electrical Receptacles



ALL STATE OFFICE COFFEE STANDS

- Heavy-duty metal construction
- Double thickness side walls for stability and strength
- Lower door equipped with lock
- Black vinyl clad steel top
- Plastic non-mar feet
- Counter top: 23.25" W x 19" D
- Base: 23.25" W x 19" D x 32" H
- Weight: 60 lbs (empty)
- OCS200 is equipped with condiment tray
- OCS400 is equipped with a plastic trash receptacle



Part Number	Ref. No.		Price per ea.
27-1446-00	OCS200	Office Coffee Stand With Condiment Tray (Without Lower Storage Shelf)	169.95
27-1447-00	OSC200	Office Coffee Stand With Condiment Tray (With Lower Storage Shelf)	191.05
27-1449-00	—	Optional Black Formica Top 27" W x 19" D	79.65

AMANA® LD10D2 1000 WATTS COMMERCIAL MICROWAVE OVEN

SUPERIOR DURABILITY, GREAT VERSATILITY!

NEW

- Ideal for light volume sites, this dependable unit features an easy-to-use 6-minute dial timer for fast, convenient service
- The perfect replacement for home or domestic ovens in food service locations
- 1000 Watts of power for fast heating.
- Sealed-in ceramic shelf for easy cleaning.
- 6-minute dial timer is extremely easy to use.
- Full power only for the simplest operation.
- User-friendly dial is ideal for self-serve sites.
- Durable construction for years of commercial food service use.
- Nationwide service keeps any downtime to an absolute minimum.
- Limited 3-year warranty.
- See-through door and lighted interior for easy monitoring of food without opening the door.
- 1.0 cubic foot capacity easily accommodates prepackaged foods, single servings or large plates of food.

MODEL LD10D2	
UPC Code	042159062966
Configuration	Countertop
Control System	Dial
Programmable Control Pads	n/a
Total Programmable Settings	n/a
Cooking Timer	6:00,Countdown
Power Levels	1
Defrost	No
Time Entry Option	Yes
Microwave Distribution System	Rotating Antenna

Part Number		Price per ea.
27-0173-00	Amana® LD10D2 Commercial 1000 Watt Microwave Oven	259.95

AMANA® LD10MP 1000 WATTS COMMERCIAL MICROWAVE OVEN

- The perfect replacement for home or domestic ovens in food service locations
- 1000 Watts of power for fast heating
- 10 programmable menu items simplifies cooking
- 5 power levels for consistent, delicious results for fresh and frozen foods
- Stainless steel interior with dishwasher-safe turntable for easy cleaning
- Durable construction for years of commercial food service use
- Nationwide service keeps any downtime to an absolute minimum
- Sealed-in ceramic shelf for easy cleaning
- X2 multiple quantity pad calculates the proper cook times for multiple portions
- 3 stage cooking for one-touch cooking
- Braille touch pads
- Limited 3-year warranty
- 1.0 cubic foot capacity easily accommodates prepackaged foods, single servings or large plates of food
- See-through door and lighted interior for easy monitoring of food without opening the door

MODEL LD10MP	
UPC Code	**719881111889**
Configuration	Countertop
Control System	Touch
Programmable Control Pads	10
Total Programmable Settings	10
Cooking Timer	60:00,Countdown
Power Levels	5
Defrost	Yes
Time Entry Option	Yes
Microwave Distribution System	Rotating Antenna
Magnetron(s)	1
Display	VFD
Stackable	No
Stage Cooking	3 stages
Interior Light	Yes
Door Opening System	Push Button
Signal	End of cycle
Removable Filter	No
Automatic Voltage Sensor	No
Multiple Quantity Setting	Yes, X2
Warranty	Limited 3-Year

Electrical Characteristics	
Power Consumption	1500 W,13.3 A
Power Output	1000 W*
Power Source	120 V,60 Hz, 15 A single phase
Plug Configuration	NEMA 5-15
Frequency	2450 MHz
Power Cord Length	5' (1.5 m)

Exterior Cabinet	**Usable Dimensions**	**Interior Dimensions**
Height	12-3/8" (359 mm)	8-3/4" (222 mm)
Width	20-7/8" (530 mm)	13-3/4" (348 mm)
Depth (overall with handle)	15-1/2" (394 mm)	14-5/8" (373 mm)
Depth (door open 90°)	31-1/4" (794 mm)	
Usable Cavity Space	1.0 cubic ft.(28 L)	
Outercase Finish	Painted	
Cavity Interior Finish	Painted	

Weight/Shipping Information	
Net Weight	36 lbs.(16 kg)
Approximate Shipping	39 lbs.(18 kg)
UPS Shippable	Yes
Shipping Box Size	17-7/8" L x 24-3/8" W x 15" H (454 mm x 619 mm x 381 mm)

Part Number		Price per ea.
27-0174-00	Amana® LD10MP Commercial 1000 Watt Microwave Oven	344.95

AMANA® RCS10D COMMERCIAL MICROWAVE OVEN

Performance You Can Count On!

- Ideal for medium volume sites
- 1000 Watts of power for fast heating
- 1.2 cubic foot capacity easily accommodates prepackaged foods, single servings or large platters
- 6-minute dial timer and handy menu guide is extremely easy to use
- See-through door and lighted interior for easy monitoring of food without opening the door
- Full power only for the simplest operation
- User-friendly dial is ideal for self-serve sites
- Durable construction for years of commercial food service use
- Nationwide service network provides ongoing product support
- Limited 3-year warranty

Specifications:

Model RCS10D	
UPC Code	**042159050673**
Configuration	Countertop
Control System	Dial
Programmable Control Pads	n/a
Total Programmable Settings	n/a
Cooking Timer	6:00,Countdown
Power Levels	1
Defrost	No
Time Entry Option	No
Microwave Distribution System	Rotating Antenna
Magnetron(s)	1
Display	n/a
Stackable	No
Stage Cooking	1 stage
Interior Light	Yes
Door Opening System	Lift and Pull Handle
Signal	End of cycle
Removable Filter	No
Automatic Voltage Sensor	No
Multiple Quantity Setting	No
Warranty	Limited 3-Year

Cabinet	**Exterior Dimensions**	**Usable Interior Dimensions**
Height	14-1/4” (362 mm)	9-1/2” (241 mm)
Width	21-3/4” (552 mm)	13-1/2” (343 mm)
Depth (overall with handle)	19-3/4” (501 mm)	15-3/4” (400 mm)
Depth (door open 90°)	34” (864 mm)	
Usable Cavity Space	1.2 cubic ft.(34 L)	
Outer Case Finish	Painted	
Cavity Interior Finish	Painted with Sealed-In Ceramic Shelf	
Electrical Characteristics		
Power Consumption	1700 W,13.8 A	
Power Output	1000 W*	
Power Source	120 V,60 Hz, 15 A single phase	
Plug Configuration	NEMA 5-15	
Frequency	2450 MHz	
Power Cord Length	5’ (1.5 m)	
Weight/Shipping Information		
Net Weight	50 lbs.(23 kg)	
Approximate Shipping	56 lbs.(25 kg)	
UPS Shippable	Yes	
Shipping Box Size	22” L x 25-3/8” W x 17-5/8” H (559 mm x 645 mm x 449 mm)	

Part Number		Price per ea.
27-0135-00	Amana® RCS10D Commercial 1000 Watt Microwave Oven	289.95

THE AMANA® RCS10MP MICROWAVE OVEN

- Built to withstand medium-volume food service environments
- Durable construction and unsurpassed quality provide years of reliable food service use
- 1000 Watts of power for fast heating
- Up to 10 programmable menu items simplifies cooking and ensures consistent results.
- 5 power levels for consistent, delicious results for frozen and fresh foods
- Food can go from freezer to table in minutes
- User-friendly controls are easy to use making it ideal for self-serve sites
- Time entry option for added flexibility
- Digital display with countdown timer for simple operation and easy at-a-glance monitoring
- See-through door and lighted interior for easy monitoring of food without opening the door
- Durable construction for years of commercial food service use
- Nationwide service network provides ongoing product support
- Limited 3-year warranty
- 1.2 cubic foot capacity easily accommodates prepackaged foods, single servings or large platters

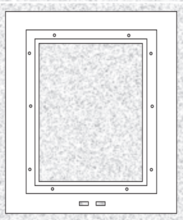
MODEL RCS10MP	
UPC Code	042159050697
Configuration	Countertop
Control System	Touch
Programmable Control Pads	10
Total Programmable Settings	10
Cooking Timer	60:00,Countdown
Power Levels	5
Defrost	Yes
Time Entry Option	Yes
Microwave Distribution System	Rotating Antenna
Magnetron(s)	1
Display	VFD
Stackable	No
Stage Cooking	1 stage
Interior Light	Yes
Door Opening System	Lift and Pull Handle
Signal	Adjustable end of cycle
Removable Filter	No
Automatic Voltage Sensor	No
Multiple Quantity Setting	No
Warranty	Limited 3-Year

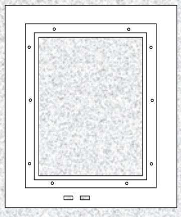
Cabinet	**Exterior Dimensions**	**Usable Interior Dimensions**
Height	14-1/4” (362 mm)	9-1/2” (241 mm)
Width	21-3/4” (552 mm)	13-1/2” (343 mm)
Depth (overall with handle)	19-3/4” (501 mm)	15-3/4” (400 mm)
Depth (door open 90°)	34” (864 mm)	
Usable Cavity Space	1.2 cubic ft.(34 L)	
Outercase Finish	Painted	
Cavity Interior Finish	Painted with Sealed-in Ceramic Shelf	
Electrical Characteristics		
Power Consumption	1700 W,13.8 A	
Power Output	1000 W*	
Power Source	120 V,60 Hz, 15 A single phase	
Plug Configuration	NEMA 5-15	
Frequency	2450 MHz	
Power Cord Length	5’ (1.5 m)	
Weight/Shipping Information		
Net Weight	50 lbs.(23 kg)	
Approximate Shipping	56 lbs.(25 kg)	
UPS Shippable	Yes	
Shipping Box Size	22” L x 25-3/8” W x 17-5/8” H (559 mm x 645 mm x 449 mm)	

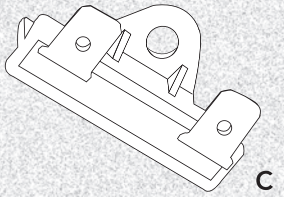
Part Number		Price per ea.
27-0138-00	The Amana® RCS10MP 1000 Watt Microwave Oven	429.95

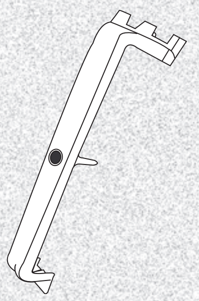
REPLACEMENT PARTS FOR AMANA MICROWAVE OVENS

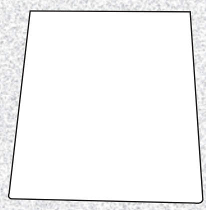
NEW

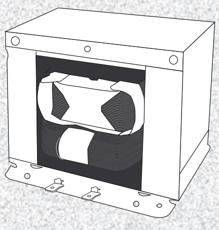


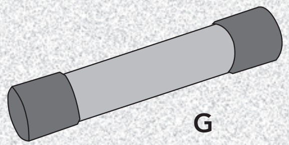


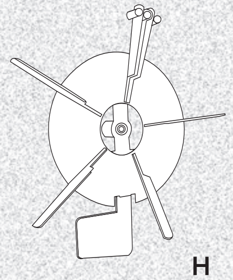


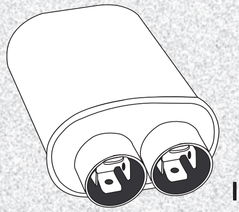












Key	Part Number	Description	Amana Ref. #	Price per ea.
A	H12002103	Inner Door Liner for RFS9LW	P1300201M	49.95
B	HD7683508	D7683505 Inner Door Liner	D7683505	24.95
C	HB5795305	Thermal Cutout	B5795305	2.95
D	HD7685505	Cradle Antenna	D7685505	3.95
E	HC8936902	Glass Tray for LD10	C8936902	59.95
F	H10426611	Main Transformer for RCS-10	10426611	78.95
G	HM0805101	20 Amp Fuse	M0805101	2.00
H	HC8943002Q	Antenna Assembly	C8943002Q	7.10
I	HD8547928	.74uf 2100 VAC Capacitor	D8547928	23.00

Amana
A Raytheon Company

HAVE IT YOUR WAY!
CHECK IT OUT!
eHAPP
Place orders when you want to - anytime!
No more phone tag,
Leisurely view past purchases,
Easily duplicate past orders,
E-mail notifications of shipments
NEW EASY-TO-USE SHOPPING CART SYSTEM AVAILABLE ON-LINE 24 HOURS A DAY
JUST GO TO OUR WEB SITE AND LOGIN

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is an authorized
COOP
BVA
INC.
Better Vendors Association
SUPPLIER

JOHN GUEST SUPER SPEEDFIT® PUSH-IN FITTINGS

NEW

- Designed for use in Office Coffee Service, Beverage Dispensing and Vending Machine applications
- Quick-connect fittings provide instant, secure, leak-proof fluid connections
- Just push tube in fitting and your done
- No ferrule nuts to tighten to an exact position or torque
- Maintenance is a snap
- Reusable – can be used over and over without affecting performance
- Installation times can be cut by as much as 40%
- FDA approved materials
- Manufactured in gray acetal copolymer with food grade nitrile 'o' ring
- Sold and priced in bags of 10

Male Connector

Part Number	Tube OD	Thread NPTF	Price per bag.
43-1418-00	1/4	1/4	9.50
43-1419-00	1/4	3/8	14.30
43-1420-00	3/8	1/4	14.95
43-1421-00	3/8	3/8	16.35

Flare Male Connector

Part Number	Tube OD	Thread MFL	Price per bag
43-1460-00	1/4	1/4	10.60
43-1461-00	3/8	3/8	19.20

Union Tee

Part Number	Tube OD	Price per bag.
43-1422-00	1/4	19.95
43-1423-00	3/8	22.95

Union Elbow

Part Number	Tube OD	Price per bag.
43-1424-00	1/4	14.60
43-1463-00	5/16	16.95
43-1425-00	3/8	22.00
43-1466-00	1/2	35.80

Union Connector

Part Number	Tube OD	Price per bag
43-1426-00	1/4	12.80
43-1427-00	3/8	17.35

Stem Adaptor

Part Number	Stem OD	Thread NPTF	Price per bag
43-1455-00	1/4	1/4	4.50
43-1456-00	3/8	1/4	5.60
43-1457-00	3/8	3/8	6.95

Reducer

Part Number	Stem OD	Tube OD	Price per bag
43-1428-00	3/8	1/4	14.20

Check Valve

Part Number	Tube OD	Price per bag
43-1447-00	1/4	7.55
43-1446-00	3/8	7.40

Brass Fitting

Part Number	Stem OD	Tube OD	Price per bag
43-1458-00	1/4	1/4	36.75

Tube Cutter

Part Number		Price per bag
43-1356-00	John Guest Tube Cutter	5.25
43-1356-01	Replacement Blade	2.55

Plug

Part Number	Stem OD	Price per bag
43-1429-00	1/4	3.65
43-1430-00	3/8	5.95

Reducing Union

Part Number	Tube OD	Tube OD	Price per bag
43-1431-00	3/8	1/4	17.50

Reducing Elbow

Part Number	Tube OD	Tube OD	Price per bag
43-1465-00	3/8	1/4	25.95

Plug In Elbow

Part Number	Stem OD	Tube OD	Price per bag
43-1432-00	1/4	1/4	13.20
43-1433-00	3/8	1/4	17.70
43-1434-00	3/8	3/8	22.40

Tube To Hose Stem

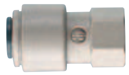
Part Number	Stem OD	Hose ID	Price per bag
43-1435-00	1/4	1/4	8.25

John Guest continued . . .

Reducing Tee

Part Number	Tube OD	Tube OD Branch	Price per bag.
43-1436-00	3/8	1/4	31.73

Faucet Connector



Part Number	Tube OD	Thread UNS	Price per bag
43-1416-00	1/4	7/16-24	17.30
43-1417-00	3/8	7/16-24	19.25

Female Flare Connector

Part Number	Tube OD	Thread FFL	Price per bag
43-1437-00	3/8	1/4	20.00
43-1438-00	3/8	3/8	21.00

End Stop

Part Number	Tube OD	Price per bag
43-1439-00	1/4	8.25
43-1440-00	3/8	10.20

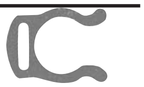
Fixed Elbow

Part Number	Tube OD	Thread NPTF	Price per bag
43-1441-00	1/4	1/4	14.60

Flow Bend Clip

Part Number	Tube OD	Price per bag
43-1448-00	3/8	9.20

Locking Clip



Part Number	Tube OD	Price per bag
43-1442-00	1/4	1.30
43-1443-00	3/8	12.75

Swivel Elbow

Part Number	Tube OD	Thread BSPT	Price per bag
43-2101-00	1/4	1/4	24.95

Visit Our Web Site:
for *NEW* Product Updates!!

JOHN GUEST SHUT-OFF VALVES

NEW

- White polypropylene material with food grade EPDM 'O" rings for use with potable water
- Not to be used with compressed air, explosive gasses, petroleum spirits or other fuels

Speedfit To Male NPTF

Part Number	Tube OD	Thread NPTF	Price per ea.
43-1449-00	1/4	1/4	3.85

Speedfit to Female NPTF Elbow

Part Number	Tube OD	Thread NPTF	Price per ea.
43-1453-00	1/4	1/4	4.20

Speedfit to Speedfit

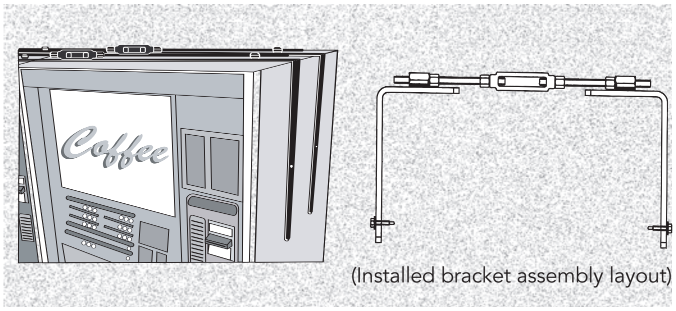
Part Number	Tube OD	Price per ea.
43-1451-00	1/4	4.15
43-1452-00	3/8	4.05

BOLTLESS VENDING SYSTEM

NEW

- Multi-use bracket assembly that locks together vending machines of identical height
- Helps eliminate major damage caused from rocking and bouncing
- Professional looking presentation, keeping machines aligned and together
- Easy to install and re-size, black powder-coated steel brackets
- Detailed installation instructions included
- Wrench and drill tools recommended, some drilling required
- Perfect replacement for old-fashioned bolts
- Other rod set sizes and replacement parts available; call for details

Bracket assembly includes:
(2) Left Handed L-Brackets, (2) Right Handed L-Brackets, (2) Turnbuckles, (4) Left Handed Lock Nuts, (4) Right Handed Lock Nuts, (4) Self-Tapping Hex Screws, (2) All-Thread Left Handed Rods, (2) All-Thread Right Handed Rods



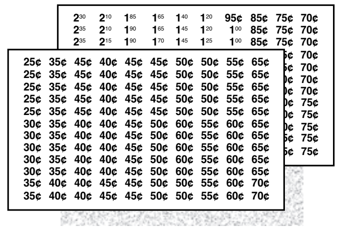
(Installed bracket assembly layout)

Part Number		Price per ea.
BVS-1060	Complete 60" Rod Set Assembly	199.95
BVS-1072	Complete 72" Rod Set Assembly	204.95
BVS-1084	Complete 84" Rod Set Assembly	214.95
BVS-1096	Complete 96" Rod Set Assembly	219.95

AUTOMATIC PRODUCTS

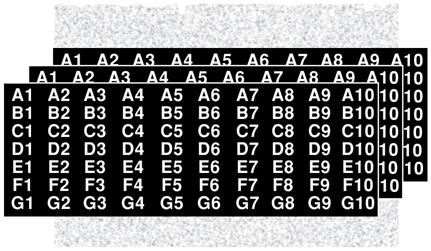
PRICE TABS - .25 - $2.50

For 111/112/113, LCM1–4, 6000, 7000, "C" series Snackshop machines
H460347AP
4.95



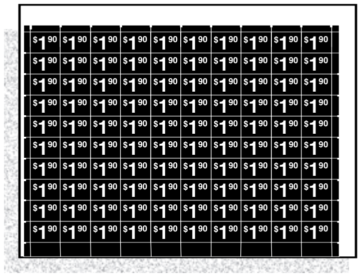
ITEM TAB

For A.P. 111/112/112/4000/5000/6000/7000
H460346AP
3.70


A1 A2 A3 A4 A5 A6 A7 A8 A9 A10
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10
D1 D2 D3 D4 D5 D6 D7 D8 D9 D10
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10
G1 G2 G3 G4 G5 G6 G7 G8 G9 G10

PRICE TABS

For Snackshop 4000 - 7000 series machines



Part Number	Price Tabs	Price per ea.
H4603472AP	.40/.45	4.50
H4603473AP	.50/.55	4.40
H4603474AP	.60/.65	4.40
H4603475AP	.70/.75	4.40
H4603476AP	.80/.85	4.40
H4603477AP	.90/.95	4.40
H4603478AP	1.00/1.05	4.40
H4603479AP	1.10/1.15	4.50
H46034710AP	1.20/1.25	4.50
H46034711AP	1.30/1.35	4.50
H46034712AP	1.40/1.45	4.50
H46034713AP	1.50/1.55	4.50
H46034715AP	1.70/1.75	4.50
H46034717AP	1.90/1.95	4.50

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CAVALIER/DIXIE NARCO/ROYAL/VENDO

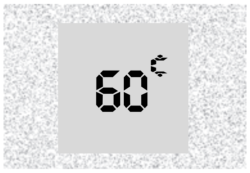
PRICE LABELS

1-1/4" x 1-5/8" - White on Grey

Part Number	Label	Price per ea.	L/25
27-1092-00	.50	.44	.31
27-1093-00	.55	.44	.31
27-1094-00	.60	.44	.31
27-1095-00	.65	.44	.31
27-1096-00	.70	.44	.31
27-1097-00	.75	.44	.31
27-1098-00	.80	.44	.31
27-1100-00	.90	.44	.31
27-1101-00	.95	.44	.31
27-1102-00	1.00	.44	.31
27-1103-00	1.25	.44	.31
27-1104-00	1.50	.44	.31
27-1105-00	1.75	.44	.31
27-1106-00	2.00	.44	.31
27-1106-01	2.50	.44	.31

PRICE INSERTS

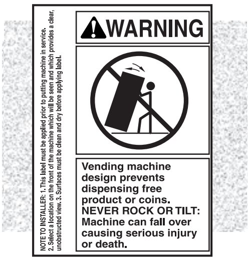
2-1/4" x 2-1/4" - Black on Silver



Part Number	Label	Price per ea.
27-1120-00	.70	.48
27-1121-00	.75	.48

WARNING LABEL

H80384364001DN
2.20



NOTE TO INSTALLER: 1. This label must be applied prior to putting machine in service. 2. Select a location on the front of the machine which will be seen and which provides a clear, unobstructed view. 3. Surfaces must be clean and dry before applying label.

Vending machine design prevents dispensing free product or coins. NEVER ROCK OR TILT: Machine can fall over causing serious injury or death.

DIXIE NARCO INSTRUCTION DECAL

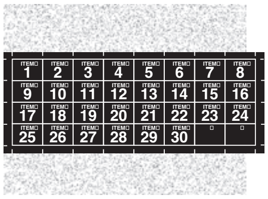
H80381314011DN
.60

INSTRUCTIONS

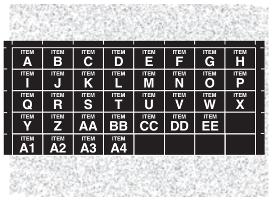
1. INSERT COINS IN ABOVE SLOT
2. PUSH BUTTON FOR SELECTION.
3. WHEN RED LIGHT IS VISIBLE IN SELECT BUTTON OR IF PRODUCT WAS NOT DELIVERED, PLEASE MAKE ANOTHER SELECTION.

NATIONAL

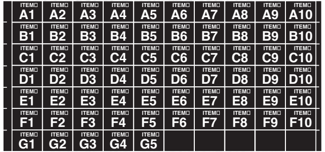
ITEM TABS (ITEM 1 - ITEM 30)
For Glassfront machines
H1400006N
1.90



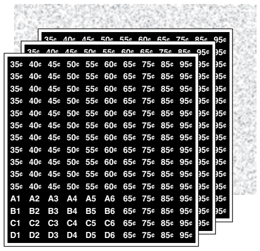
ITEM TABS (ITEM A - ITEM EE W/GUM & MINT)
For Glassfront machines
H1400042N
3.45



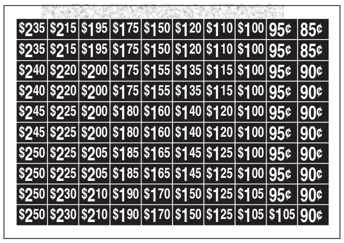
ITEM TABS (ITEM A1 - ITEM G5)
For Glassfront machines
H1450005N
3.85


A1 A2 A3 A4 A5 A6 A7 A8 A9 A10
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10
D1 D2 D3 D4 D5 D6 D7 D8 D9 D10
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10
G1 G2 G3 G4 G5

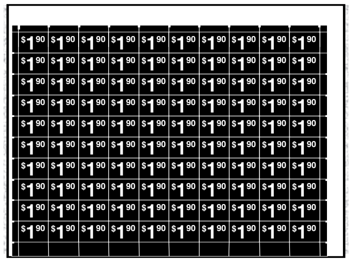
GG PRICE LABEL SET W/SELECTION LABELS - BLACK
For cold food machines
H424AN
6.95



PRICE LABELS .25 - $2.50
For Glassfront machines
H1450028N
3.45



PRICE INSERTS
For Glassfront machines



Part Number	Label	Price per ea.
H14500281N	.50/.55	3.45
H14500282N	.60/.65	3.45
H14500283N	.70/.75	3.45
H14500284N	.80/.85	3.45
H14500285N	.90/.95	3.45
H14500287N	1.10/1.15	3.45
H14500288N	1.20/1.25	3.45
H14500289N	1.30/1.35	3.45
H145002810N	1.40/1.45	3.45
H145002811N	1.50/1.55	3.45
H145002813N	1.70/1.75	3.45
H145002814N	1.80/1.85	3.45
H145002815N	1.90/1.95	3.45

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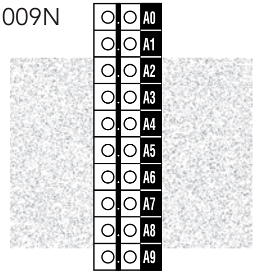
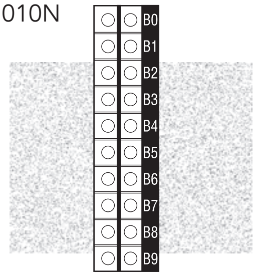
No more phone tag,
Leisurely view past purchases,
Easily duplicate past orders,
E-mail notifications of shipments
NEW EASY-TO-USE SHOPPING CART SYSTEM AVAILABLE ON-LINE 24 HOURS A DAY
JUST GO TO OUR WEB SITE AND LOGIN

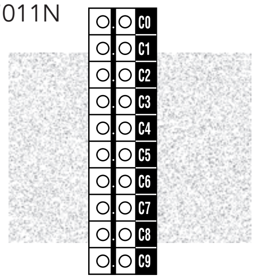
PRODUCT LABEL SHEET
A0-A9
For 474 Refreshment Center/147 Snack Center
Old Ref # 147-7076
H1577009N
2.70



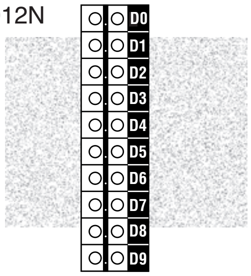
PRODUCT LABEL SHEET
B0-B9
For 474 Refreshment Center/147 Snack Center
Old Ref # 147-7077
H1577010N
2.70



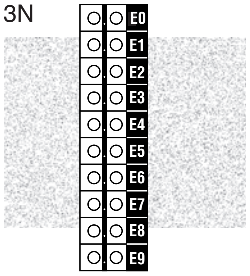
PRODUCT LABEL SHEET
C0-C9
For 474 Refreshment Center/ 147 Snack Center
Old Ref # 147-7078
H1577011N
2.70



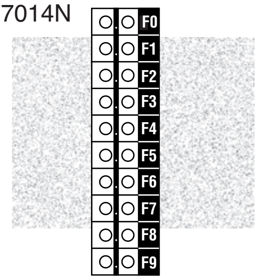
PRODUCT LABEL SHEET
D0 – D9
For 474 Refreshment Center / 147 Snack Center
H1577012N
2.70



PRODUCT LABEL SHEET
E0 – E9
For 474 Refreshment Center /147 Snack Center
H1577013N
2.75



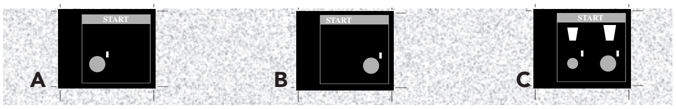
PRODUCT LABEL SHEET
F0 – F9
For 474 Refreshment Center /147 Snack Center
H1577014N
2.75



RMI

'START' INSERT

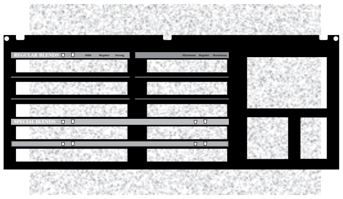
For 213 coffee machines



Part Number	Key	Description	Price per ea.
27-1235-00	A	'Start' Insert, Small Cup Only	5.00
27-1235-01	B	'Start' Insert, Large Cup Only	5.00
27-1235-02	C	'Start' Insert, Dual Cup Only	5.00

DECAL GRAPHICS

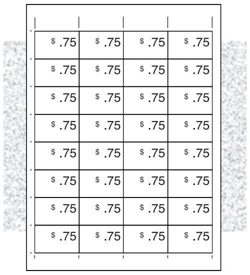
For 213 coffee machines
H36870RM
40.60



ROWE

PRICE INSERTS

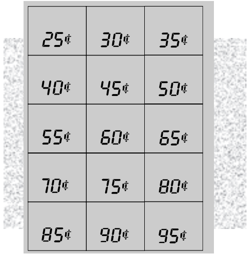
For 448 machines



Part Number	Label	Price per ea.
27-1213-00	.50	3.45
27-1214-00	.55	3.45
27-1215-00	.60	3.45
27-1216-00	.65	3.45
27-1135-00	.75	3.45
27-1138-00	.90	3.45
27-1130-00	.95	3.45
27-1139-00	1.00	3.45
27-1140-00	1.25	3.45
27-1141-00	1.50	3.45
27-1142-00	1.75	3.45
27-1143-00	2.00	3.45
27-1144-00	2.25	3.45
27-1145-00	2.50	3.45
27-1146-00	2.75	3.45
27-1147-00	3.00	3.45
27-1148-00	3.25	3.45
27-1149-00	3.50	3.45
27-1152-00	1.55/1.60/1.65/1.70	3.45

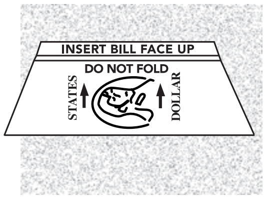
PRICE LABEL SET

For cup soda machines
H410R
5.00



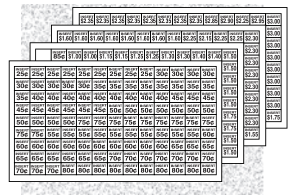
LEGEND

H35118901R
6.50



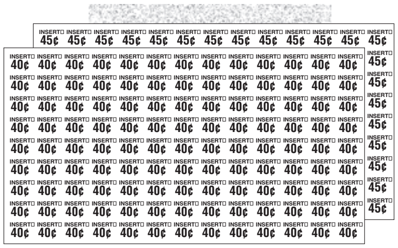
PRICE INSERTS

For 4900 Snack
27-1576-00
3.95



PRICE INSERTS

For Rowe 490 / 4900 Snack Machines

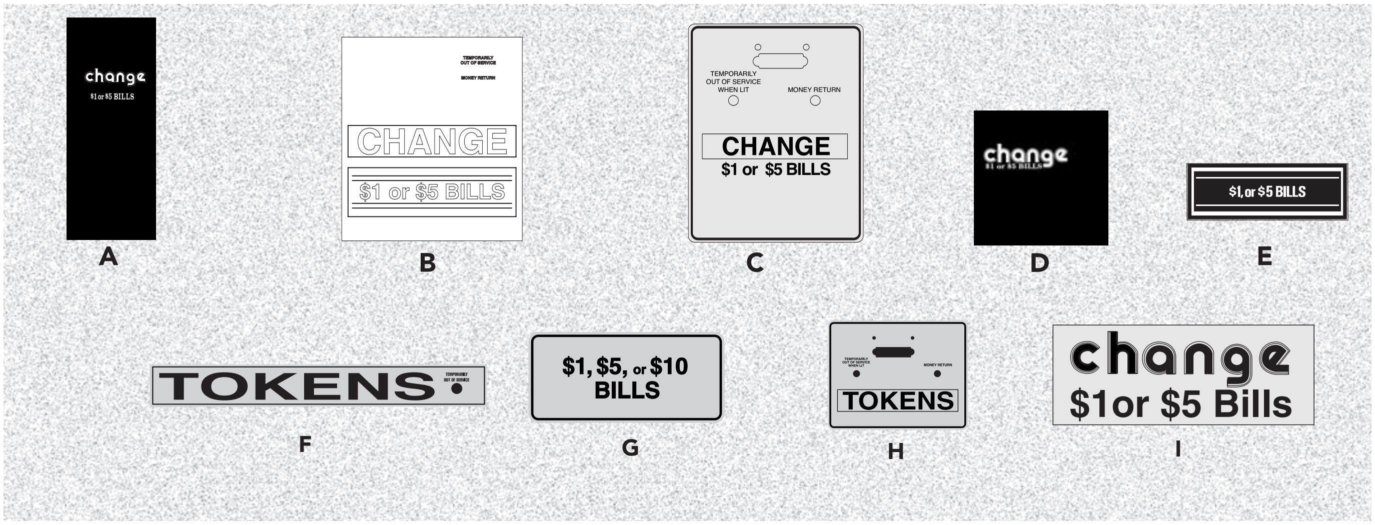


Part Number	Insert	Price per ea.
27-1276-00	.40/.45	3.15
27-1277-00	.50/.55	3.15
27-1278-00	.60/.65	3.15
27-1279-00	.70/.75	3.15
27-1280-00	.80/.85	3.15

Visit Our Website For Special Promotions

ROWE

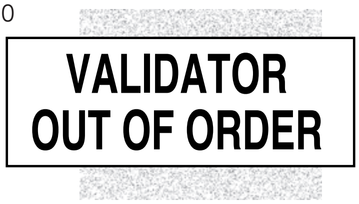
OVERLAYS FOR ROWE BILL CHANGERS



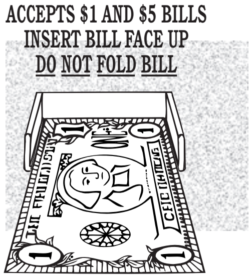
Part Number		Description	Price per ea.
A	H1715R	BC11/12 $1 & $5 Overlay, Black	18.55
B	H170R	BC11/12 $1 & $5 White On Clear Overlay	12.30
C	H167R	BC12 $1 & $5 Instruction Decal	19.95
D	H1693R	BC8/9/20/25 $1 & $5 Overlay	22.15
E	H35074331R	BC35 Change Decal	11.15
F	27-1324-00	BC1200 "Tokens" Decal	11.15
G	27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	15.65
H	27-1326-00	BC1200 "Tokens" Overlay	15.65
I	H35074329R	$1 & $5 Change Decal	14.80
	49-0474-00	Black Pica Vinyl, Sold Per Foot (For use with A&E overlays)	5.00

COMMON LABELS

"VALIDATOR OUT OF ORDER " LABEL
Size: 1-1/4" x 4", Sold in rolls of 500
27-1222-00
30.50



BILL VALIDATOR LABEL
Size 3-1/4" x 4-1/4"
42-7191-00
3.25



"OUT OF ORDER" LABEL
Size: 1-1/2" x 4", Sold in rolls of 500
27-1225-00 30.75
27-1218-00 30.75

"REPAIR IN PROGRESS " LABEL
- Red Lettering on White Background
- Size: 1.25" X 4"
- Adhesive backed
- Sold in rolls of 500

27-1218-001
30.50

HAVE IT YOUR WAY!
CHECK IT OUT!
Place orders when you want to - anytime!
No more phone tag,
Leisurely view past purchases,
Easily duplicate past orders,
E-mail notifications of shipments
NEW EASY-TO-USE SHOPPING CART SYSTEM AVAILABLE ON-LINE 24 HOURS A DAY
JUST GO TO OUR WEB SITE AND LOGIN

PRESSURE SENSITIVE PRICE LABELS

$^{9}/_{16}$" x $^{7}/_{8}$", Black on White,
500 per roll, sold each

Part Number		L/10	L/50
27-1283-00	50 cents	.26	.21
27-1284-00	55 cents	.26	.21
27-1285-00	60 cents	.26	.21
27-1286-00	65 cents	.26	.21
27-1287-00	70 cents	.26	.21
27-1288-00	75 cents	.26	.21

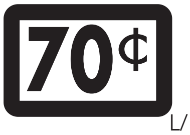
PRESSURE SENSITIVE LABELS

1-$^{3}/_{4}$" x 3-$^{1}/_{2}$" , Black on Silver

Part Number		L/10	L/50
49-0645-00	50 cents	.62	.49
49-0647-00	60 cents	.62	.49
49-0653-00	65 cents	.62	.49

PRESSURE SENSITIVE PRICE LABELS

1" x 1-$^{1}/_{2}$", Black on Silver



Part Number		L/10	L/50
27-1115-00	25 cents	.23	.21
27-1114-00	50 cents	.23	.21
27-1116-00	70 cents	.23	.21
27-1113-00	75 cents	.23	.21
27-1117-00	1 dollar	.23	.21

"PRICE INCLUDES" LABEL

1-$^{1}/_{4}$" x 2"
49-0644-00
.39 ea., .31 L/50

"FOR SERVICE CALL" LABEL

3" x 4-$^{5}/_{8}$", Red on White, Customized
49-0643-XXX
1.95 L/250

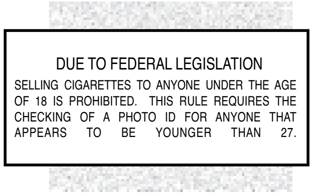
PRICE LABELS

- Pressure Sensitive - Adhesive on Back
- 3" x 1-5/8"
- Black on Silver

Part Number	Label	Price per ea.	L/100
49-0667-01	$2.75	.46	.37
49-0667-03	$3.25	.46	.37
49-0667-06	$4.00	.46	.37
49-0667-07	$4.25	.46	.37
49-0667-08	$4.50	.46	.37
49-0667-11	$5.25	.46	.37
49-0667-12	$5.50	.46	.37
49-0667-13	$5.75	.46	.37
49-0667-14	$6.00	.46	.37

CIGARETTE WARNING LABEL

2-$^{1}/_{2}$" x 4-$^{1}/_{2}$", Black on Silver
27-1110-00
.93 ea., .62 L/100


DUE TO FEDERAL LEGISLATION
SELLING CIGARETTES TO ANYONE UNDER THE AGE OF 18 IS PROHIBITED. THIS RULE REQUIRES THE CHECKING OF A PHOTO ID FOR ANYONE THAT APPEARS TO BE YOUNGER THAN 27.

"OUT OF ORDER" LABEL

1-$^{1}/_{2}$" x 2"
42-7017-00
.31 ea., .26 L/100

"WARNING" LABEL

2-$^{1}/_{2}$" x 4-$^{5}/_{8}$", Black on Silver
42-7016-00
.72 ea., .67 L/100

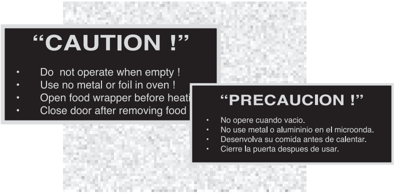
"NO REFUND" LABEL

3" x 4-$^{5}/_{8}$", Red on White
49-0656-00
.81 ea., .67 L/100

MICROWAVE LABELS

"CAUTION" LABEL,

English & Spanish, 2" x 4-$^{1}/_{2}$"
27-1082-00 - English
27-1081-00 - Spanish
1.35 ea., 1.20 L/25

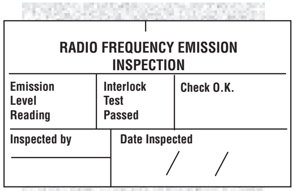

"CAUTION !"
Do not operate when empty !
Use no metal or foil in oven !
Open food wrapper before heat
Close door after removing food
"PRECAUCION !"
No opere cuando vacio.
No use metal o alumininio en el microonda.
Desenvolva su comida antes de calentar.
Cierre la puerta despues de usar.

PACEMAKER CAUTION SIGN

12" x 12"
27-1109-00
5.70 ea., 5.00 L/6

MICROWAVE INSPECTION LABEL

Pressure Sensative, Black on White
1-1/2 " x 3", Minimum Order 10
27-1246-00
.25 L/10, .20 L/100



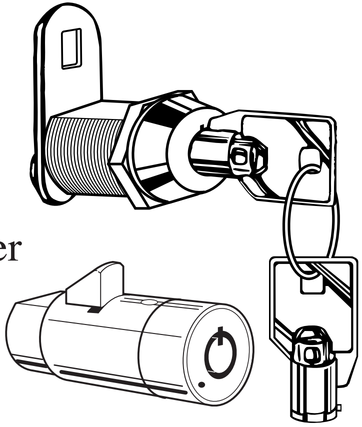
Part Number	Description	Price	Page
_	Replacement Trim	_	228
27-1002-00	Control Board Lithium Battery	9.40	225
30-0184-00	1/4"Turn T-handle Assembly	14.55	228
49-1002-00	Leg Leveler Without Nut	.86	228
95-0469-00	Vend Motor Switch	3.75	226
H17500010AP	Evaporator Fan Motor	77.45	–
H200068AP	Coin Return Flap	6.00	–
H200654AP	Locking Cam	1.40	–
H200906AP	Anchor Strap	1.70	224
H200913AP	Rear Bracket- Product Rail - Candy	1.65	–
H201155AP	Coin Return Cup	9.85	225
H201156AP	Coin Return Flap	3.55	225
H201357AP	Right Side Panel For 7000	36.65	–
H201389AP	Front Roller Retainer	3.95	–
H201433AP	Mars Bill Acceptor Mounting Bracket	3.25	225
H201660AP	Coin Return Bracket	1.60	–
H201712AP	Coin Chute Bracket	1.60	227
H27500004-1AP	Complete Filter Assembly	65.00	–
H300137AP	Shelf Roller Screw	.36	223
H300203AP	Shelf Roller Stud	.37	223
H320010AP	Coin Return Lever	15.45	–
H320011AP	Coin Return Trim	19.35	–
H320012AP	Instruction Trim	20.10	–
H320043AP	Gum & Mint Display Trim	35.70	–
H320044AP	Coin Instruction Trim	34.50	–
H3200452AP	Main Button Trim	34.60	–
H320046AP	Coin Return Knob	9.65	223
H320055AP	Trim Bezel Ring	56.95	–
H3400446AP	Top Trim	25.45	–
H360056AP	Product Motor	84.30	224
H360065AP	Gum & Mint Motor	80.85	223
H360081AP	Gum & Mint Motor	22.90	224
H360083AP	Step Down Transformer	139.05	227
H360097AP	Harness Control Board To Price Board	33.10	–
H3601051AP	Gum & Mint Motor	16.10	–
H360105AP	Gum & Mint Motor	18.25	226
H360109AP	Power Supply Board	37.60	225
H3601222AP	Ventilating Fan Motor, 120V	37.75	227
H3601381AP	Shelf Vend Motor	19.00	224
H360138AP	Product Motor	18.75	224
H360146AP	Water Inlet Valve Assy	79.65	_
H360155AP	Shelf Vend Motor, Half Cycle	18.40	–
H360165AP	Control Board	520.70	–
H360165APAP	Control Board 110 Series	520.70	–
H3601661AP	Display Board	219.50	227
H360166AP	Display Board without Optics	176.75	–
H360169-1AP	Shelf Roller Stud	20.05	223
H360169AP	Dual Spiral Vend Motor	17.30	223
H360195AP	Control Board For LCM Models	334.75	_
H360223AP	Motor	69.35	–
H360253AP	Selector Keypad	53.50	–
H360275AP	Shelf Motor	17.60	224
H360276AP	Vend Motor	17.45	228
H380241-1AP	15 AMP Circuit Breaker	5.45	227
H380241AP	3 Amp Circuit Breaker	5.90	227
H380243AP	Rocker Switch	9.00	–
H380258AP	Door Switch	4.65	226
H380313AP	Relay	24.50	–

Part Number	Description	Price	Page
H380322AP	Relay	40.85	–
H400095AP	Door Stop For 4000	6.30	–
H400116-1AP	Spiral	9.30	–
H4001191AP	6 Space Dual Spiral, Candy, Right Hand	12.15	–
H400120AP	12 Space Spiral, Candy Right Hand	11.85	226
H400120AP	12 Space Dual Spiral, Candy, Right Side	11.85	–
H400121AP	15 Space Spiral, Candy Right Hand	12.55	226
H400122AP	18 Space Spiral, Candy Right Hand	12.35	226
H400124-1AP	6 Space Snack	11.95	226
H400125-1AP	8 Space Snack Spiral For 500/5000	11.95	–
H400127AP	10 Space Spiral, Pastry	12.30	226
H400128AP	12 Space Spiral, Pastry	12.10	226
H400162AP	6 Space Spiral, Pastry	12.35	226
H400167AP	6 Space Candy, Pastry	12.15	226
H4001681AP	10 Space Spiral, Pastry Right Hand	12.15	226
H4001691AP	10 Space Spiral, Pastry Left Hand	12.15	226
H4001701AP	12 Space Spiral, Candy Left Hand	12.15	226
H4001711AP	15 Space Spiral, Candy Left Hand	12.55	226
H420014AP	Push Nut	.27	–
H420083AP	Coin Return Lever Sleeve	1.55	–
H420096AP	Harness Clamp, Large	1.60	–
H420097AP	Harness Clamp, Small	.64	–
H420315AP	Delivery Door Bin Pad	8.60	–
H43741AP	Shelf Roller Nut	.18	223
H440001AP	Selector Button	1.95	–
H440038AP	Extension Link	2.00	–
H440113AP	Instruction Glass With Changer	10.90	–
H440123AP	Shelf Roller	.51	223
H440125AP	Spiral Retainer	.68	224
H440127AP	Shelf Front, Candy	6.30	–
H440130AP	Front Roller Guide	.62	224
H4401411AP	Spiral Product Pusher	.26	224
H440149AP	Gum & Mint Ejector - Narrow	2.15	223
H440161AP	Shelf Lock	1.50	223
H440175AP	Coin Return Arm Extension	1.60	224
H440206AP	Instruction Glass	6.20	–
H440221AP	Gum & Mint Display, Plastic	6.25	–
H440224AP	Instruction Plate - Validator	8.70	225
H440225AP	Selector Button	.34	224
H440247AP	Gum & Mint Ejector, Wide	1.50	–
H440263AP	Front Roller Guide - Right	1.10	225
H440264AP	Front Roller Guide - Left	1.85	226
H440273AP	Gum & Mint Shelf Front	.71	–
H440277AP	1/4" Turn T-handle Assembly	.35	227
H440279AP	Coin Entry	1.20	227
H440285AP	Shelf End - New Style	1.65	223
H440287AP	Spiral Retainer, White	.83	226
H4402893AP	Coin Return Button, Black	2.95	226
H440289AP	Coin Return Button, Gray	2.60	226
H440296AP	Coin Cup Trim	2.58	–
H440304AP	Selector Button	.29	–
H440309AP	Coin Entrance, Black	1.35	–
H440310AP	Display Lens	13.50	–
H440311AP	Plastic Coin Drop	3.55	227
H440349AP	Coin Instruction Plate	9.55	227
H440349AP	Coin Instruction Plate For AP 7000	9.55	–
H440362AP	Shelf Roller	.35	223
H440366AP	Spiral Retainer, Left Hand, Gray	1.10	226

Part Number	Description	Price	Page
H440367AP	Dual Spiral Shelf Front	1.20	224
H440406AP	Spiral Retainer, Gray, Left Hand	.93	–
H440428AP	Cam Slide	3.15	–
H460346AP	Item Tabs	3.70	223
H46034710AP	Price Tabs, 1.20/1.25	4.50	226
H46034711AP	Price Tabs, 1.30/1.35	4.50	226
H46034712AP	Price Tabs, 1.40/1.45	4.50	226
H46034713AP	Price Tabs, 1.50/1.55	4.50	226
H46034715AP	Price Tabs, 1.70/1.75	4.50	226
H46034717AP	Price Tabs, 1.90/1.95	4.50	226
H4603472AP	Price Tabs, .40/.45	4.50	226
H4603473AP	Price Tabs, .50/.55	4.40	226
H4603474AP	Price Tabs, .60/.65	4.40	226
H4603475AP	Price Tabs, .70/.75	4.40	226
H4603476AP	Price Tabs, .80/.85	4.40	226
H4603477AP	Price Tabs, .90/.95	4.40	226
H4603478AP	Price Tabs, 1.00/1.05	4.40	226
H4603479AP	Price Tabs, 1.10/1.15	4.50	226
H460347AP	Price Tabs - .25 - $2.50	4.95	223
H460350AP	Window Edging Gasket	.26	–
H460415AP	Selector Button Background	1.65	–
H460417AP	Insert Decal	.53	–
H600300-1AP	Heavy Duty Door Lock Catch	6.90	227
H600347AP	Coin & Button Casting	30.05	225
H600358AP	Gum And Mint Display Trim	21.75	–
H600433AP	Door Lock Catch Assembly	3.55	–
H640089AP	Lift Handle Assy.	115.75	223
H6401001AP	Delivery Door Bin Drive Pivot	14.50	–
H640107AP	Top Door Hinge	22.85	224
H6401151AP	Changer Assembly Latching Bracket	3.85	–
H6600083AP	Coin Return Cup	12.40	–
H660174AP	Gum & Mint Switch	34.40	–
H6601762AP	Button Assortment A-JJ	40.20	227

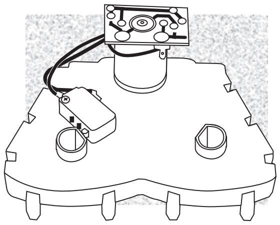
Part Number	Description	Price	Page
H6601763AP	Gum & Mint Pushbutton	6.30	–
H660191AP	Candy Product Rail	18.20	–
H6602101AP	Relay Box	74.30	226
H6602102AP	Relay Box	65.25	227
H6602661AP	Selection Pad	52.95	225
H6602661AP-90	Steel Panel Only For Use	5.70	–
H660266AP	Selection Pad	53.45	224
H660266AP-90	Steel Panel Only For H660266AP	6.75	–
H660289AP	Coin Chute	9.35	225
H660313AP	Gum & Mint Pusher & Spring Assembly	6.10	–
H6603302AP	Product Rail	12.35	–
H660335AP	Board Protector	55.80	225
H660366AP	Selection Switch & Plate Assembly	59.50	–
H660367AP	Coin Return Assembly, Complete	19.36	–
H660488AP	Coin Chute Assembly	7.05	226
H660519AP	Select Switch and Back Plate Assembly	61.55	228
H660595AP	Left Track Support	31.40	–
H660596AP	Right Track Support	19.85	–
H661762AP	Buttons, A-JJ	30.65	–
H6802703AP	Box, Interlock 6/7000 AP	81.80	_
H680467AP	Filter Harness	8.00	225
H750115-2AP	Control Board No Digital	595.00	–
H750117AP	Mode Box	80.30	–
H750130AP	Selection Switch & Plate	39.55	–
H750135AP	Half Cycle Motor Kit	37.95	–
H7501411AP	Front Glass	64.65	228
H750141AP	Front Glass Window	96.80	227
H750144AP	Coin Return Trim	6.70	224
H750159AP	Dual Spiral Vend Motor Add On Kit	20.40	–
H7501811AP	Delivery Door	36.35	225
H750181AP	Delivery Door	39.95	225
H750182AP	Plastic Lower Coin Chute Assembly	12.55	227

HAPP CONTROLS LOCK DEPARTMENT

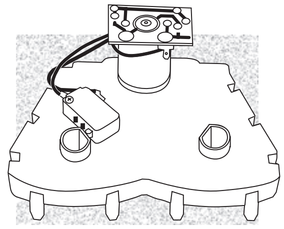


Happ Controls now has it's own lock assembly department. We offer fast turn around on 7-pin tumbler locks. Most custom lock orders can be shipped within 48 hours. Happ locks can be keyed to your existing 7-pin tumbler key, if we receive a sample key with your order. Our 7-pin tumbler locks offer high security at a reasonable price. For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company.

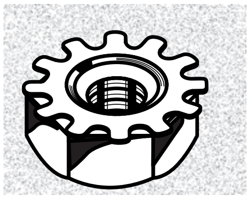
DUAL SPIRAL VEND MOTOR
For 111/112/113 machines
H360169AP
17.30



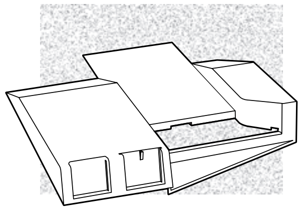
DUAL SPIRAL VEND MOTOR
For LCM models
Ref. No. 360169-1
H360169-1AP
20.05



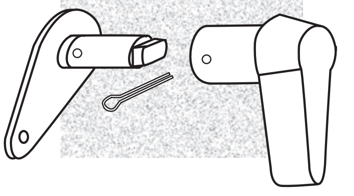
SHELF ROLLER NUT
For 425/430/435/4000/5000/6000/7000/LCM1/LCM2/LCM3/LCM4/111/112/113 machines
H43741AP
.18



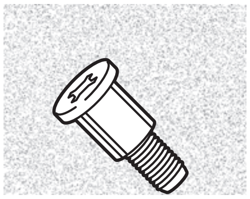
SHELF END - NEW STYLE
For 111/112/113/4000/5000/ 6000/7000 machines
H440285AP
1.65



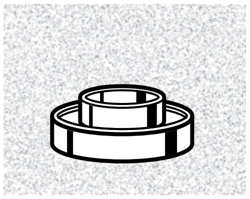
COIN RETURN KNOB
For 425/430/435/5000/6000 machines
H320046AP
9.65



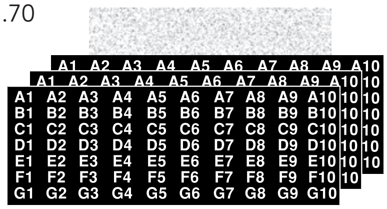
SHELF ROLLER SCREW
For 425/430/435. 5000/6000/7000 machines
H300137AP
.36



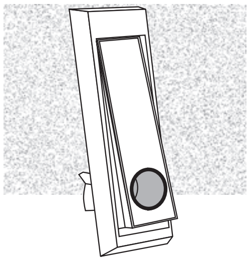
SHELF ROLLER
For 111/112/113/LCM1/LCM2/LCM3 LCM4 machines
H440362AP
.35



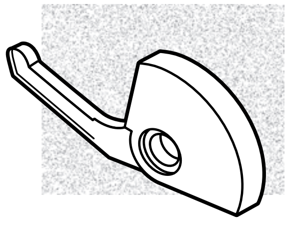
ITEM TABS
For 4/5/6000/111/112/113/LCM1/LCM2/LCM3/LCM4 machines
H460346AP
3.70


A1 A2 A3 A4 A5 A6 A7 A8 A9 A10
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10
D1 D2 D3 D4 D5 D6 D7 D8 D9 D10
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10
G1 G2 G3 G4 G5 G6 G7 G8 G9 G10

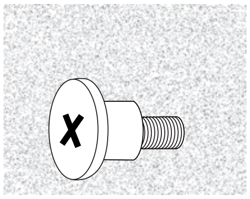
LIFT HANDLE ASSY.
For 425/430/435/5000/6000 machines
H640089AP
115.75



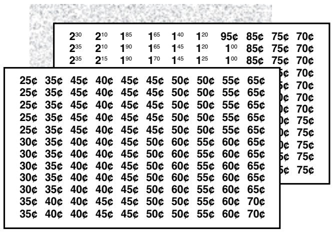
SHELF LOCK
For 425/430/435. 5000/6000/7000 machines
H440161AP
1.50



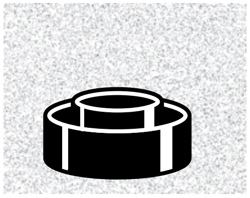
SHELF ROLLER STUD
For 111/112/113/LCM1/LCM2/LCM3/LCM4/6000/7000, "C" Series machines
H300203AP
.37



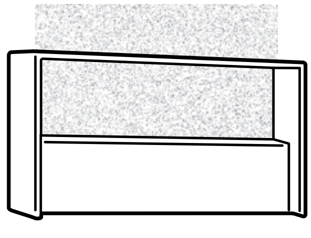
PRICE TABS - .25 - $2.50
For 111/112/113/LCM1–4/6000/7000/"C" series Snackshop machines
H460347AP
4.95



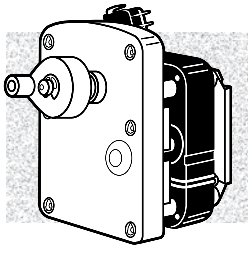
SHELF ROLLER
For 425/430/435/5000/6000/7000 machines
H440123AP
.51



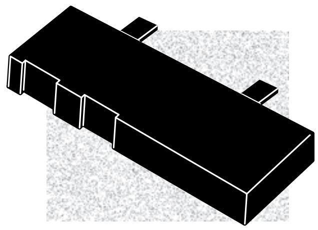
GUM & MINT EJECTOR - NARROW
For 425/430/435. 4000/5000 machines
H440149AP
2.15



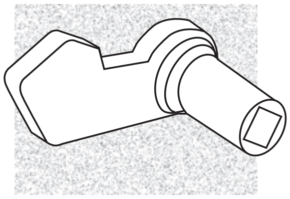
GUM & MINT MOTOR
For 425/430/435 machines
H360065AP
80.85



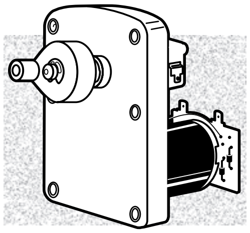
DUAL SPIRAL SHELF FRONT
H440367AP
1.20



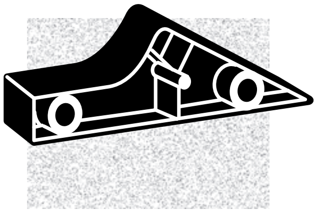
COIN RETURN ARM EXTENSION
For 425/430/435/4000/5000 machines
H440175AP
1.60



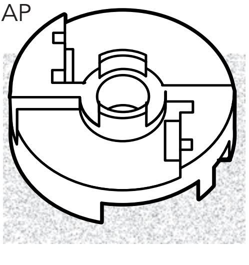
GUM & MINT MOTOR
For 4000/5000/6000 machines
H360081AP
22.90



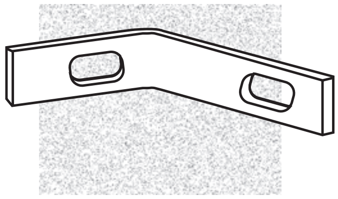
FRONT ROLLER GUIDE
For 425/430/435. 4000/5000 machines
H440130AP
.62



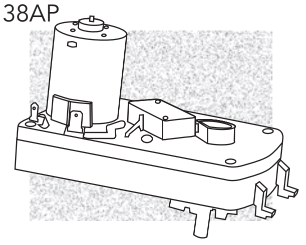
SPIRAL RETAINER
For 425/430/435/4000/5000 machines
H440125AP
.68



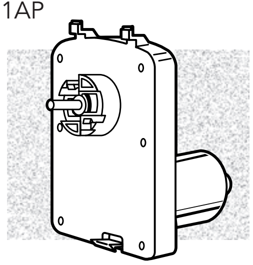
ANCHOR STRAP - For 425/430/435. 4000/6000/Snackshop 111/112/113/LCM1/ LCM2/LCM3/LCM4 machines
H200906AP
1.70



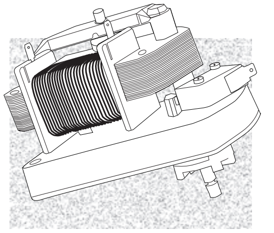
PRODUCT MOTOR
For Snackshop111/112/113/4000/ 5000 /6000/7000 machines
H360138AP
18.75



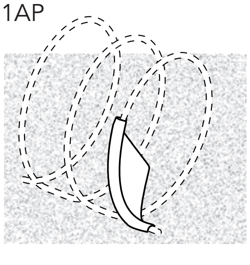
SHELF VEND MOTOR
For Snackshop 113/112/111 machines
H3601381AP
19.00



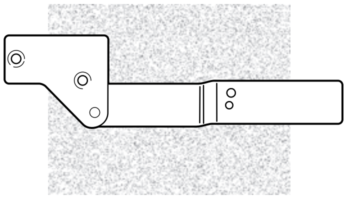
PRODUCT MOTOR
For 425/430/435 machines
H360056AP
84.30



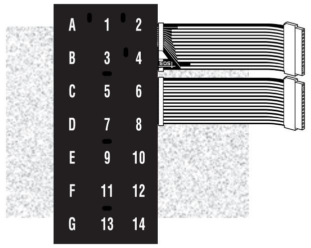
SPIRAL PRODUCT PUSHER
For 425/430/435/4000/5000 machines
H4401411AP
.26



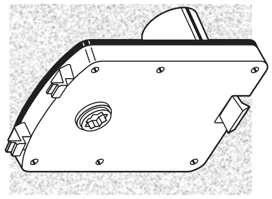
TOP DOOR HINGE
For 425/430/435/4000 machines
H640107AP
22.85



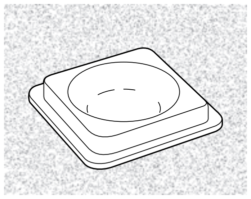
SELECTION PAD
For 4000/5000 machines
H660266AP
53.45



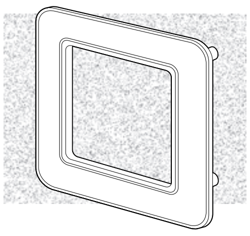
SHELF MOTOR
Used on 120/320 series
H360275AP
17.60



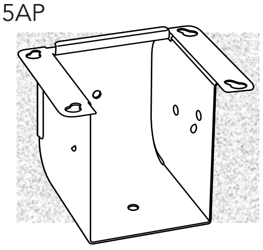
SELECTOR BUTTON
For 4000/5000/6000/7000 machines
H440225AP
.34



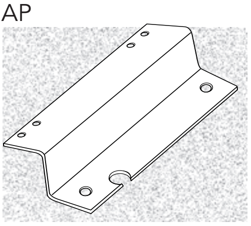
COIN RETURN TRIM
For Glassfront machines
H750144AP
6.70



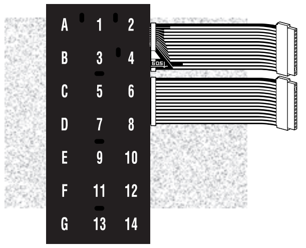
COIN RETURN CUP
For Snackshop 111/112/113/4000/5000 machines
H201155AP
9.85



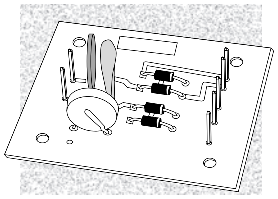
MARS DOLLAR BILL ACCEPTOR MOUNTING BRACKET
For 6000, 6000XL and 7000 machines
H201433AP
3.25



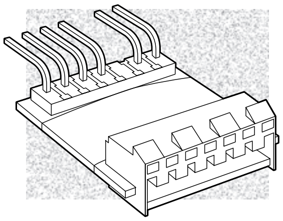
SELECTION PAD
For 6000/7000 machines
H6602661AP
52.95



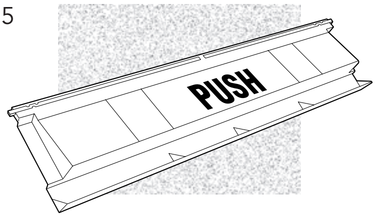
POWER SUPPLY BOARD
For 111/112/113/6000/7000/203/213 machines
H360109AP
37.60



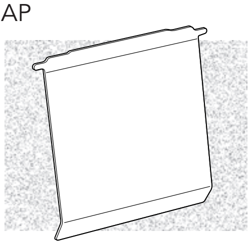
BOARD PROTECTOR
For 4000 machines
H660335AP
55.80



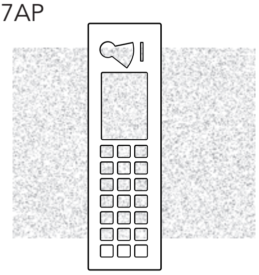
DELIVERY DOOR
For 425/430/435/4000/7000 machines
Old ref. # 600258
H750181AP
39.95



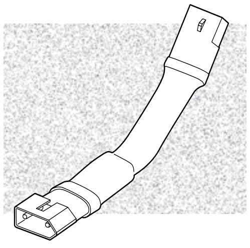
COIN RETURN FLAP - For Snackshop 111/112/113, “C” Series Coffee/Cold Can Drink/Snacks/4000/5000 machines
H201156AP
3.55



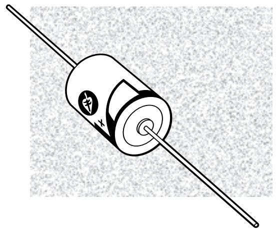
COIN & BUTTON CASTING
For 4000/5000 machines
H600347AP
30.05



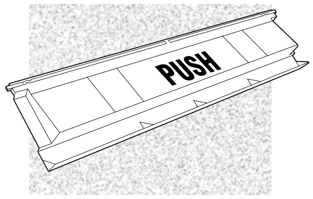
FILTER HARNESS
For all Snack machines
H680467AP
8.00



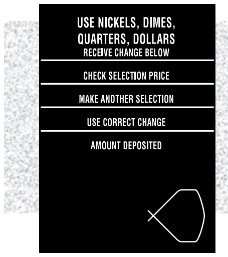
CONTROL BOARD LITHIUM BATTERY
For 4000/5000 machines
27-1002-00
9.40



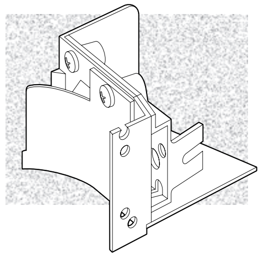
DELIVERY DOOR
For 5000, 6000 machines
Old ref.# 6002581
H7501811AP
36.35



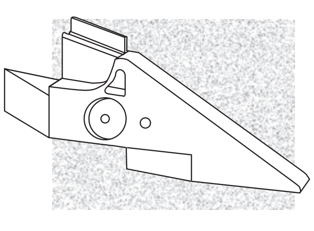
INSTRUCTION PLATE - VALIDATOR
For 4000/5000 machines
H440224AP
8.70



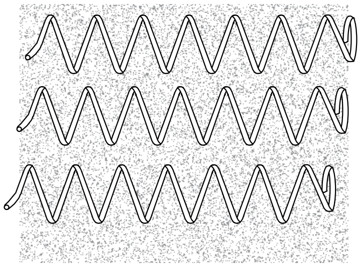
COIN CHUTE
For 4000/5000/6000/7000 machines
H660289AP
9.35



FRONT ROLLER GUIDE - RIGHT
For 400 series/6000 machines
H440263AP
1.10



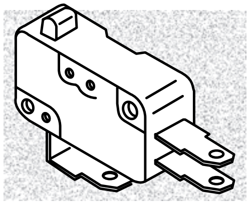
SPIRALS



Part Number		Price per ea.
H400162AP	6 Space Pastry	12.35
H400167AP	6 Space Candy	12.15
H400124-1AP	6 Space Snack	11.95
H400127AP	10 Space Pastry	12.30
H400128AP	12 Space Pastry	12.10
H4001691AP	10 Space Pastry, Left Hand	12.15
H4001701AP	12 Space Candy, Left Hand	12.15
H400120AP	12 Space Candy, Right Hand	11.85
H4001681AP	10 Space Pastry, Right Hand	12.15
H4001711AP	15 Space Candy, Left Hand	12.55
H400121AP	15 Space Candy, Right Hand	12.55
H400122AP	18 Space Candy, Right Hand	12.35

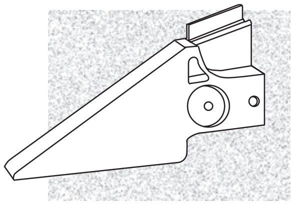
VEND MOTOR SWITCH

For 4000 machines
Ref. # 380070
95-0469-00
3.75



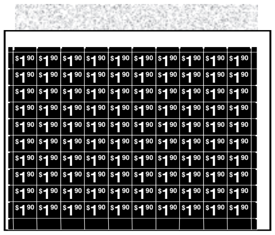
FRONT ROLLER GUIDE - LEFT

For 400 series/6000 machines
H440264AP
1.85



PRICE TABS

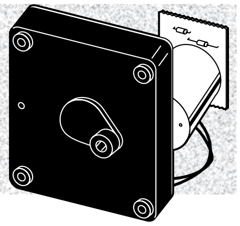
For Snackshop 4000-7000 and 110 series machines



Part Number	Price Tabs	Price per ea.
H4603472AP	.40/.45	4.50
H4603473AP	.50/.55	4.40
H4603474AP	.60/.65	4.40
H4603475AP	.70/.75	4.40
H4603476AP	.80/.85	4.40
H4603477AP	.90/.95	4.40
H4603478AP	1.00/1.05	4.40
H4603479AP	1.10/1.15	4.50
H46034710AP	1.20/1.25	4.50
H46034711AP	1.30/1.35	4.50
H46034712AP	1.40/1.45	4.50
H46034713AP	1.50/1.55	4.50
H46034715AP	1.70/1.75	4.50
H46034717AP	1.90/1.95	4.50

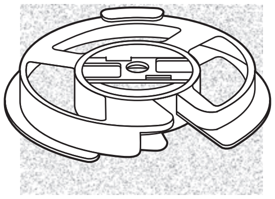
GUM & MINT MOTOR

For Snackshop113/112/111/6000 machines
H360105AP
18.25



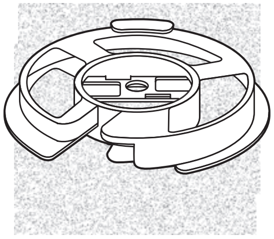
SPIRAL RETAINER, LEFT HAND, GRAY

For 111/ 112/ 113/ LCM 1,2,3,4
H440366AP
1.10



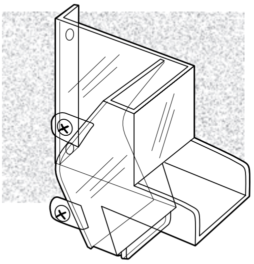
SPIRAL RETAINER, WHITE

For 6000/ 7000/ 111/ 112/ 113/ LCM 1,2,3,4
H440287AP
.83



COIN CHUTE ASSEMBLY

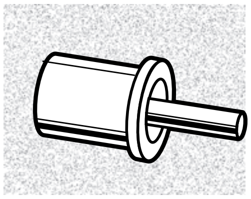
Water resistant - For Snackshop 111,112,113/ LCM 1,2,3,4
H660488AP
7.05



COIN RETURN BUTTON

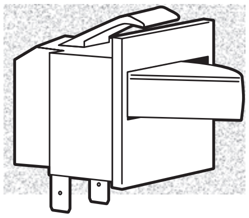
For 111, 112, 113 Snackshop

H440289AP	Gray	2.60
H4402893AP	Black	2.95



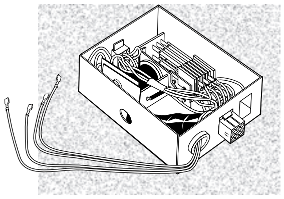
DOOR SWITCH

For 111/112/113
H380258AP
4.65



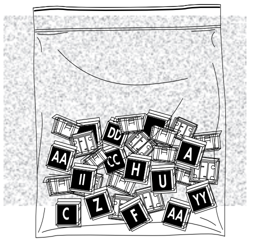
RELAY BOX

For Snackshop II 4-Price
H6602101AP
74.30



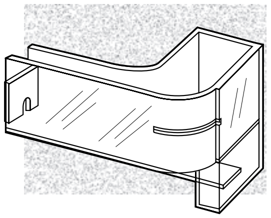
BUTTON ASSORTMENT A-JJ

For 425 / 430 / 435
H6601762AP
40.20



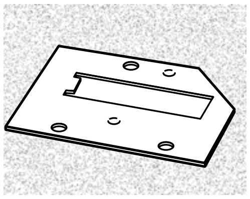
PLASTIC COIN DROP

For Snackshop 111,112,113/
LCM 1,2,3,4
H440311AP
3.55



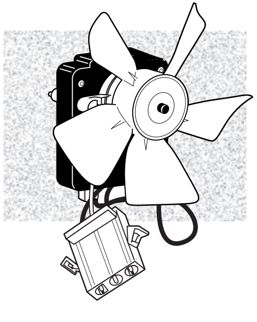
COIN CHUTE BRACKET

H201712AP
1.60



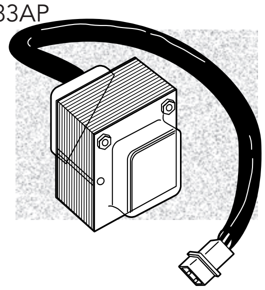
VENTILATING FAN MOTOR, 120V

For LCM 1,2 / 111,112,113
H3601222AP
37.75



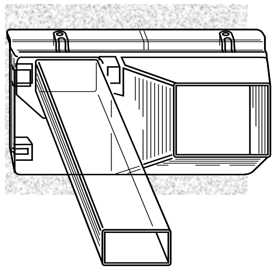
STEP DOWN TRANSFORMER

115V to 28V
H360083AP
139.05



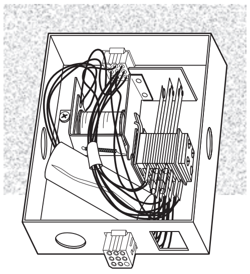
PLASTIC LOWER COIN CHUTE ASSEMBLY

For 111/112/113
H750182AP
12.55



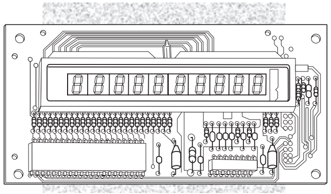
RELAY BOX

For Snackshop II 10-Price
H6602102AP
65.25



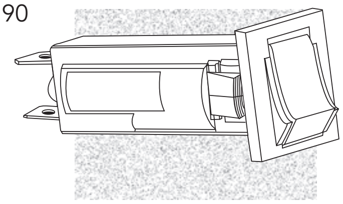
DISPLAY BOARD

H3601661AP
219.50



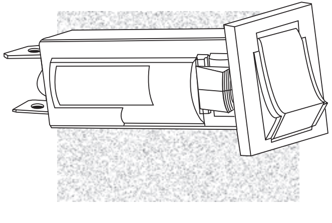
3 AMP CIRCUIT BREAKER

Used on 7000, 6000, 6000 XL, "C" Series Snacks / Cold Can Drinks / Coffee, Snackshop 110 Series, LCM 1/2/3/4
H380241AP
5.90



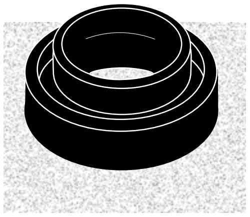
15 AMP CIRCUIT BREAKER

Used on LCM 1/2/3/4, Snackshop 110 Series, "C" Series Cold Can Drink
H380241-1AP
5.45



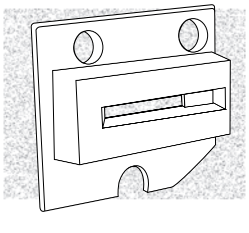
SHELF ROLLER

Used on 'C' Series / 6000 / 7000 snack machines
H440277AP
.35



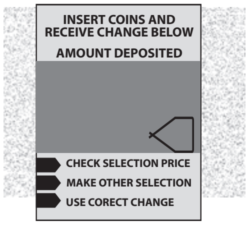
COIN ENTRY

H440279AP
1.20



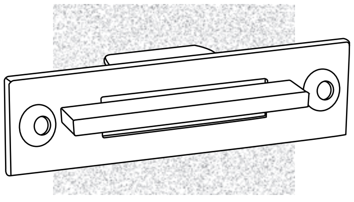
COIN INSTRUCTION PLATE

For 7000 machines
H440349AP
9.55



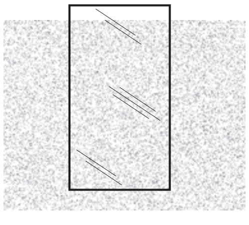
HEAVY DUTY DOOR LOCK CATCH

H600300-1AP
6.90

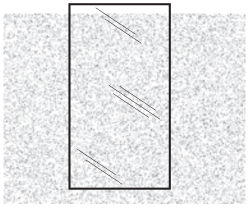


FRONT GLASS WINDOW

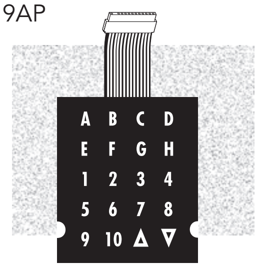
For AP113, AP7000, AP7600
H750141AP
96.80



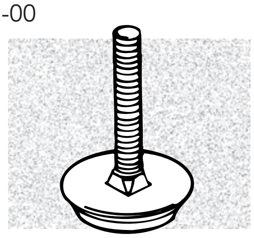
FRONT GLASS
Used on 6000, 6000 XL, LCM 1 & 2, Snackshop 111-112 machines
44-5/8 x 21-9/16 x 1/8
H7501411AP
64.65



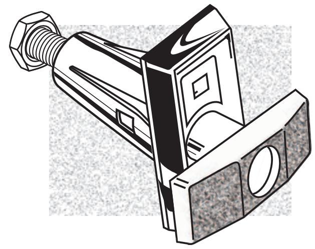
SELECT SWITCH AND BACK PLATE ASSEMBLY
Used on LCM 1/2/3/4 Snackshop
H660519AP
61.55



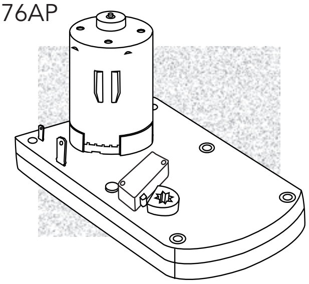
LEG LEVELER WITHOUT NUT
2" shank length
3/8-16 2"
49-1002-00
.86



1/4"TURN T-HANDLE ASSEMBLY
Rowe Ref. #479-1420
A.P. Ref. #420146
30-0184-00
14.55

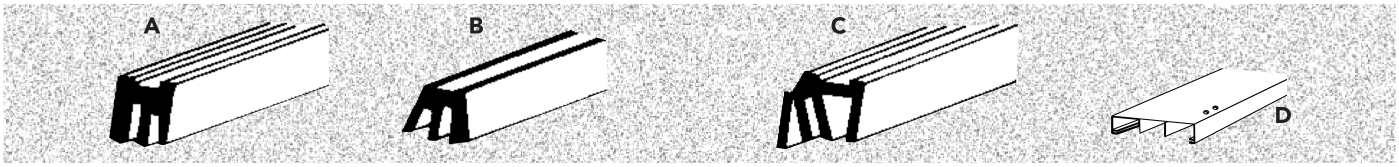


VEND MOTOR
Used in the 123 Series Snack and320 Frozen Food machines
H360276AP
17.45



HAPP CONTROLS
is an authorized
COOP
BVA
INC.
Better Vendors Association
SUPPLIER

REPLACEMENT TRIM

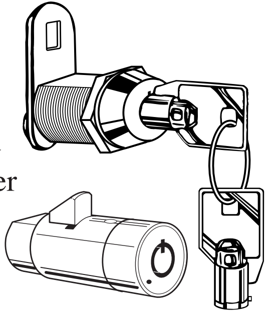


FOR AUTOMATIC PRODUCTS IMPERIAL CROWN STYLE, 6000-7000 SERIES

Item Key	Part Number	Description	Length	Price per ea.
A	H6602313AP	Outside Horizontal, Satin, 7000	36-7/8"	7.45
A	H6602313AAP	Outside Horizontal , Black, 7000	36-7/8"	7.45
C	H340057AP	Outside Vertical, Satin, 6000/7000	65-5/8"	11.95
C	H340057AAP	Outside Vertical, Black, 6000/7000	65-5/8"	11.55
B	H340584AP	Inside Vertical, Satin, 6000/7000	50-15/16"	9.65
B	H340584AAP	Inside Vertical, Black, 6000/7000	50-15/16"	9.65
D	H447519SR	Horizontal Header, Satin	40"	8.15
D	H447519BR	Horizontal Header, Black	40"	9.35
–	H6603SAP	Complete Set, 9 Pc., Satin, 7000	–	83.65
–	H6603BAP	Complete Set, 9 Pc., Black, 7000	–	83.65

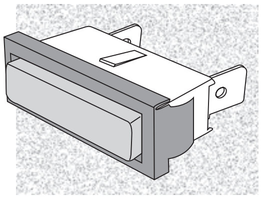
HAPP CONTROLS LOCK DEPARTMENT

Happ Controls now has it's own lock assembly department. We offer fast turn around on 7-pin tumbler locks. Most custom lock orders can be shipped within 48 hours. Happ locks can be keyed to your existing 7-pin tumbler key, if we receive a sample key with your order. Our 7-pin tumbler locks offer high security at a reasonable price. For your added protection, any code issued by Happ Controls can be restricted in our computer system exclusively to your company.

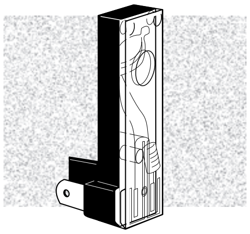


CAVALIER

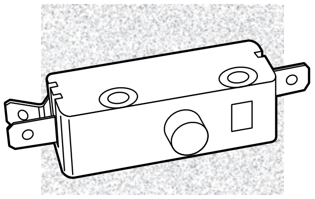
"SOLD OUT" LAMP
Ref. No. 509000
H509000C
3.55



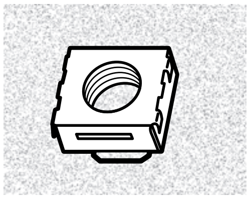
SOLD OUT LIGHT
Ref. #S-5025-10
91-1160-00
1.15



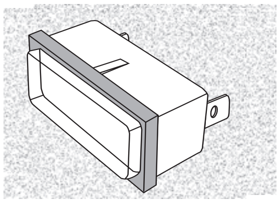
SELECTION SWITCH
Ref.#S5910 95-0409-00 4.40
TIMER SWITCH
95-0407-00 2.00



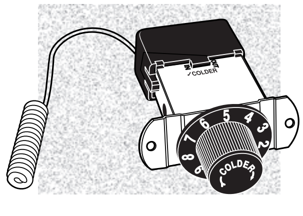
LOCKING CAGE NUT
1/2" x 13 Thread
Cavalier Ref # S0835
43-1102-00
2.40



"USE CORRECT CHANGE" LAMP
Ref. No. 509200
H509200C
2.20



TEMPERATURE CONTROL
HC43186C
19.75

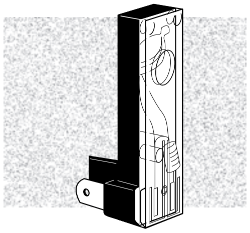


PRICE LABELS
1-1/4"x1-5/8"- White On Gray

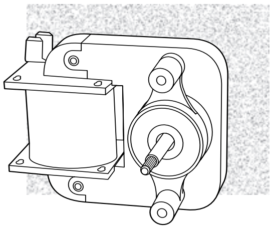
Part Number	Label	Price per ea.	L/25
27-1092-00	.50	.44	.31
27-1093-00	.55	.44	.31
27-1094-00	.60	.44	.31
27-1095-00	.65	.44	.31
27-1096-00	.70	.44	.31
27-1097-00	.75	.44	.31
27-1098-00	.80	.44	.31
27-1100-00	.90	.44	.31
27-1101-00	.95	.44	.31
27-1102-00	1.00	.44	.31
27-1103-00	1.25	.44	.31
27-1104-00	1.50	.44	.31
27-1105-00	1.75	.44	.31
27-1106-00	2.00	.44	.31

CHOICE VEND

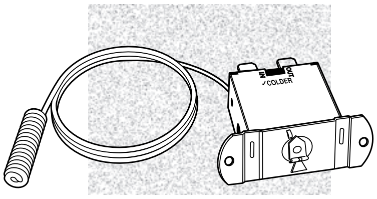
SOLD OUT LIGHT
Ref. #870393
91-1160-00
1.15



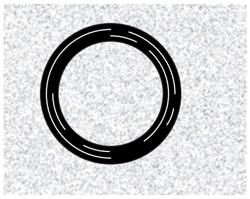
EVAPORATOR MOTOR
H863243CV
20.95



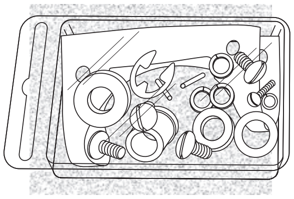
TEMPERATURE CONTROL
H863160CV
20.15



EVERPURE WATER FILTER HEAD O-RING
27-1066-00
.49

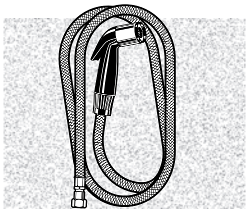


WATER PUMP REBUILD KIT
H10014CM
20.95

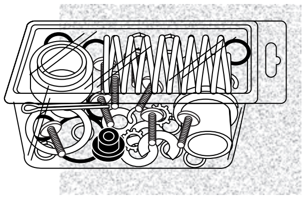


RINSE HOSE ASSEMBLY

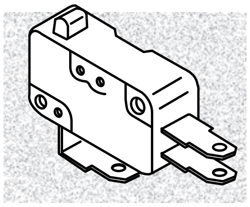
H21287RM	Pressure feed	11.80
H14494RM	Gravity feed	9.95



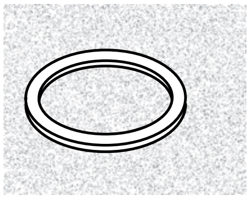
BREW WATER MEASURING DEVICE REBUILD KIT
H10331CM
22.85



SELECTOR ASSY./TURRET EMPTY/ TURRET TRANSFER SWITCH
Ref. #8515
95-0469-00
3.75



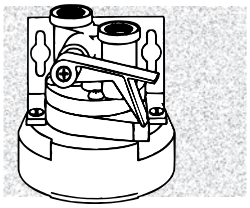
BREW SEAL
H6368CM
2.15



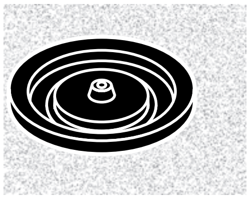
HOT FILTER
27-1010-00
32.55

EVERPURE
Premium Quality Water For Foodservice Applications
4H

FILTER HEAD
27-0181-00
36.95



DETROIT SOLENOID



Part Number	Description	Price per ea.
26-1151-00	Diaphragm	4.30

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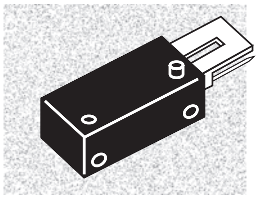
Part Number	Description	Price	Page
27-1315-00	3-Color Dixie Narco Sign, Generic Curved Front, Model 368/501	151.00	233
27-1316-00	3-Color Dixie Narco Sign, Generic Curved Front, Model 440/600	119.15	233
27-1317-00	3-Color Dixie Narco Sign, Pepsi, Horizontal Model 432	63.90	233
27-1384-00	3-Color Dixie Narco Sign, Pepsi 368, 501 Bubble Front with Large Port Hole	103.90	233
30-0183-00	T-Handle Flange	3.95	234
30-0183-00	T-Handle Used on All Machines Except 7UP	3.95	234
30-0194-00	T-Handle, Used on E model machines	14.95	234
30-0195-00	T-Handle for NVRV machines	6.95	234
49-0652-00	Fuse	1.35	241
49-0652-00	Fuse	1.35	241
91-1160-00	Sold Out Lamp	1.15	241
95-0407-00	Select Switch	2.00	235
95-0733-01	Select Switch	.92	235
H168-1DN	Can Spacer Kit, 3/16” Tall	14.85	233
H168-2DN	Can Spacer Kit, 3/8" Tall	15.45	233
H168-3DN	Can Spacer Kit, 9/16" Tall	16.10	233
H17907060033DN	Vend Motors	45.65	237
H212-1DN	4" Can Spacer, Tall Gate, .155 x 3/16" Size	1.70	233
H212-2DN	4" Can Spacer, Tall Gate, .340 x 3/8" Size	1.85	233
H23607020013DN	Vend Motors	45.65	237
H26705017013DN	Latch	4.90	239
H26705057013DN	Chute, Cold, Back Access Door	2.65	–
H26705092013DN	Chute, Coin Access Door	3.90	–
H276VDN	3-Color Dixie Narco Sign, Coke/Pepsi/Generic, Flat Front, Model 276, No Port Holes	72.50	233
H330-1DN	5-Tray Delivery Slide	5.45	239
H36001030014DN	Inner Door Lock Kit	12.05	234
H36005027013DN	Cash Box Chute	3.95	–
H36005037043DN	Discharge Member CC/DP/SU/WD	4.40	–
H36005039003DN	Coin Box Shelf For Magnum	1.15	–
H36005070053DN	Magnum Cash Box	9.10	240
H36101010003DN	Rod and Spring Assembly, 16"	3.95	238
H36107040003DN	Vend Motors	50.88	237
H368HDN	3-Color Dixie Narco Sign, Model 368, Horizontal	65.15	233
H368LCDN	3-Color Dixie Narco Sign, Coke Landscape, Model 348/360/368	116.70	233
H368VDN	3-Color Dixie Narco Sign, Coke/Pepsi/Generic, Flat Front, Model 360/368/501, No Port Holes	68.80	233
H36905001023DN	6 Select Back Panel	1.90	–
H43201210034DN	Kit Counter Service	18.05	236
H43205180023DN	Lockable Cash Box	6.05	240
H43205250014DN	Complete Cage Nut Assembly	14.45	234
H43207070003DN	Vend Motors	45.65	237
H45505110003DN	Cash Box	14.35	240
H48001120014DN	Lock Cover Kit	28.70	234
H48015050003DN	Coin Casting Assembly	25.95	–
H48015060004DN	Cold Insert Assembly with T-Handle for DNCB348MC	52.45	–
H485-1DN	Position Select Sheet	2.95	240
H485-2DN	Price Sheet	2.95	240
H485DN	Price & Product Label Set For Glass Front	31.85	–
H49101020014DN	Kit Caster Assembly	162.75	233
H49101450003DN	Kit Adaptor Service Refrigeration	20.75	–
H49105070003DN	Selection Switch Bar Assembly	24.55	239
H49107050003DN	Linkage & Drive Arm Kit	6.30	239
H49154070034DN	Vender defender kit	35.85	234
H49701030004DN	12 oz Can Conversion Kit For 501, 600	84.30	–
H49707013083DN	Shim, Cam Stop	2.40	237
H49707080003DN	Vend Motors	44.75	237
H49707090003DN	Vend Motors	45.65	237
H501VDN	3-Color Dixie Narco Sign, Generic Flat Front, Model 348/360/368/501	110.65	233
H56014140004DN	Refrigeration Assemblies	479.20	237
H56034460014DN	Refrigeration Assemblies	540.60	237
H57201010034DN	Lock Cover Kit	26.49	234
H57201010034DN	Lock Cover Kit	26.49	234
H57201220004DN	Temperature Control Kit	18.49	238
H58707260003DN	Shim Can Stop And Lifter Assembly	2.55	237
H58801220004DN	Temperature Control	12.95	233
H58801220004DN	Temperature Control Kit	12.95	238
H59101010004DN	Coin Insert Assembly	58.00	240
H60405450054DN	Lock Cover Kit	27.50	234
H60901220003DN	Temperature Control Kit	13.35	238
H60904350004DN	Refrigeration Assemblies	469.80	237
H60907030013DN	Rod and Spring Assembly, 19"	4.90	238
H60907070063DN	Vend Motors	48.80	237
H60907090023DN	Vend Motors	45.65	237
H60907260004DN	Conversion Kit, 12 oz Can	76.55	238
H62200040014DN	Bottle Pusher Kit	29.99	233
H62401000004DN	Lock Cover Kit	27.50	234
H654-1DN	Temperature Control	24.65	–
H777DN	Proximity Sensor	23.40	233
H80090240031DN	Metal Clip, Vertical Guide, Narrow Column	.69	238
H80120092031DN	Coin Insert Casting	15.95	240
H80120101041DN	Oscillator	9.80	–
H80120102041DN	Oscillator	15.30	237
H80120106001DN	Vend Rotor	9.70	–
H80120118071DN	Coin Insert Casting	14.60	–
H80130332061DN	Cage Nut Housing Only	3.30	–
H80150161001DN	Burst Open Latch	6.45	233
H80150287001DN	T-Handle	13.20	234
H80150815021DN	T-Handle, Flush Mount	16.60	–
H80151010001DN	Lockout Switch Assembly	27.40	234
H80160251011DN	Delivery Port Trim	10.40	236
H80160285001DN	Display Trim, 9 ft, Silver Metal	32.00	–
H80160286031DN	Delivery Port Trim	9.84	236
H80160286041DN	Delivery Port Trim	9.90	236
H80180389001DN	Clear Pushbutton	5.95	–
H80180406001DN	Door Gasket	22.00	236
H80180424081DN	Condensation Pan	2.75	239
H80180430001DN	Changer Hopper	1.45	240
H80180435011DN	Insulator Pad	.48	239
H80180439021DN	Shin, Single	1.40	–
H80180443001DN	Clear Pushbutton	11.45	–
H80180447001DN	Adjustable Black Cam	2.40	–
H80180451001DN	Clear Push Button	2.35	235
H80180451011DN	Point Of Sale Select Button	2.00	–
H80180454041DN	Select Button	.62	–
H80180455001DN	Price Window	1.60	–
H80180455031DN	Price Window	1.60	–
H80180462011DN	Switch Cover (Mylar Insulator)	.21	–
H80180462031DN	Insulator	.31	–
H80180482001DN	Clear Push Button	5.10	235
H80180489041DN	Right Shim	4.50	237
H80180490041DN	Left Shim	4.50	237
H80180495011DN	Single Spacer Column Shim	1.05	237
H80180496021DN	Shim, Flat	2.15	236
H80180511001DN	Clear Push Button	1.75	235
H80180512011DN	Shim, .045 Plastic	2.55	236
H80180524011DN	Coin Chute	1.35	–
H80180525001DN	Coin Chute Cover	2.45	–
H80180537031DN	Flat Coin Chute	1.10	–
H80180538011DN	Flat Coin Chute Cover	1.10	–
H80180548001DN	Clear Push Button	10.40	–
H80180550031DN	Spacer Port	3.45	236
H80180571061DN	Push Button	.47	235

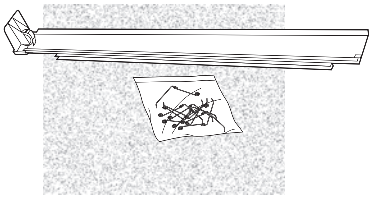
Part Number	Description	Price	Page
H80180574001DN	Select Panel	14.40	239
H80180575001DN	CC-9 Select Panel	16.90	–
H80180579131DN	Coin Chute	5.30	–
H80180580061DN	Coin Chute Cover	3.85	–
H80180598001DN	Select Panel for 7-up	15.60	239
H80180605051DN	Drain Tube	.57	–
H80180639061DN	Blue Motor Cam	.71	238
H80180640041DN	Cam Adjust: Wide Column, Gold	.74	238
H80180641051DN	Main Cam: 'T' Wide Column, Green	.74	238
H80180642051DN	Inner Door Bushing	.71	236
H80180643031DN	Bushing Door Retainer	.71	236
H80180655011DN	Discharge Frame, Inner Door	4.75	–
H80180656021DN	Retainer Frame, Inner Door	4.65	–
H80180658071DN	Hopper & Chute	3.40	–
H80180660041DN	Can Door Flaps with Posts	6.30	236
H80180693041DN	Point of Sale Window	4.50	235
H80180734001DN	Bottom Single Pin Lamp Holder	2.15	241
H80180771021DN	Red Coin Insert For Coin Return Button	2.70	–
H80180817001DN	Very Fine Clear Button	3.25	235
H80180846001DN	Vender Defender Bottom Extend	17.90	–
H80180847001DN	Vender Defender Cover	9.35	–
H80180850001DN	Plastic Gate 2 Arm	2.15	239
H80180851001DN	Plastic Gate 1 Arm	1.80	239
H80180916041DN	Discharge Frame Assembly, (Rplcs 80180916021)	6.30	–
H80180924001DN	Clear Button	1.65	235
H80180966021DN	58 Circular Trim Sign (Rplcs 80180966011)	7.55	–
H80180967011DN	Plastic Trim 69"	9.45	239
H80180968011DN	Plastic Trim 76-7/16"	10.40	239
H80180972001DN	Shim, 3/16 Flat	5.20	237
H80180979031DN	Red Adjustment Cam	.41	–
H80180981001DN	Shim, 3/32 Flat, Short	4.40	237
H80181028001DN	Plastic Trim 96-1/4"	13.40	239
H80181060001DN	Slide 6 Tray, Short Gate	2.10	233
H80181088001DN	Discharge Door	13.45	–
H80181201001DN	Slide 5 Tray, Tall Gate	7.95	233
H80181201001DN	Slide	7.95	239
H80190186001DN	Shim, Flat	3.95	236
H80190302011DN	Pushbutton Assembly	7.25	235
H80190323001DN	Tube, 'E' Model, 18-3/8 "	3.45	238
H801903250301DN	Yellow Sleeve, Dole Juice	3.15	–
H80260037061DN	Evaporator Coil	60.30	–
H80280009031DN	Temperature Control	15.75	238
H80280038001DN	Temperature Control	26.25	238
H80280058011DN	Temperature Control	12.70	–
H80280059021DN	Temperature Control	14.40	–
H80280060011DN	Temperature Control	10.65	–
H80280065021DN	Temperature Control	11.50	–
H80381314011DN	Instruction Decal	.60	–
H80383507031DN	Coin Insert Label For Coke Machine	6.00	–
H80383508041DN	Coin Insert Label	8.00	240
H80383766001DN	Generic Coin Insert Label (Rplcs 80183766001)	4.65	–
H80383767001DN	Coin Insert Label	4.20	–
H80410055011DN	Switch For Vend Motor	4.20	–
H80410063001DN	Sold Out Switch Assembly	2.25	–
H80410068051DN	Sold Out Switch Assembly	2.60	–
H80410069001DN	Double Cluster Switch	3.53	235
H80410070021DN	Triple Cluster Switch	9.70	235
H80410071021DN	Switch Select, Use 95-0733-01	1.90	–
H80410073001DN	Single Switch	3.10	235
H80410075071DN	Sold Out Switch Assembly	4.05	241
H80410077021DN	Door Switch	5.55	235
H80420017001DN	Changer Relay	17.00	–
H80420019001DN	Sequence Relay	21.05	240
H80440014001DN	Ballast	10.55	235
H80440025001DN	Ballast	68.25	235
H80440037061DN	Ballast	40.20	235
H80440039031DN	Ballast	52.85	235
H80440049031DN	Ballast	41.30	235
H80470051001DN	"Sold Out" Lamp	1.75	241
H80470052001DN	"Sold Out" Lamp	2.25	241
H80470052001DN	"Sold Out" Lamp	2.25	241
H80480071001DN	Fuse, 1.6 A, Slow Blow	.75	–
H80490200001DN	Bottom Lamp Holder	3.15	241
H80490202001DN	Top Lamp Holder	3.25	241
H80490222101DN	Main Wiring Harness, Domestic	29.85	240
H80490272051DN	Display	49.10	–
H80490546011DN	Lockout Switch Lead Harness Assembly	6.80	240
H80490668091DN	Control Box	614.30	236
H80490669041DN	S II Display Board Assembly	93.45	–
H80490948021DN	Lighting Harness	10.55	–
H80491096031DN	Segment Display Board Assembly	57.30	240
H80491098011DN	Control Board	280.00	236
H80491439031DN	Adapter Harness	6.40	
H80491619001DN	Temperature Harness	4.32	–
H80491629011DN	Temperature Sensor	11.50	–
H80491724031DN	Harness	28.70	–
H80570114001DN	Shim, Can	5.55	237
H80570115001DN	Shim, Bottle	4.05	237
H90040035041DN	T-Bolt	.26	233
H90040041011DN	T-Bolt	.26	233
H90050026111DN	Shoulder Screw	.54	–
H90050249091DN	Leg Leveler	1.70	233
H90090189001DN	Tinnerman Clip	.25	238
H90090213001DN	Christmas Tree Clip	.30	233
H90170063001DN	Coin Return Plunger Spring	.82	240
H90180620011DN	Roller, Main Door	.45	–
H90190002021DN	Soaker – Drip Pan	.97	239
H90382882011DN	Price Label Sheet	2.60	240
H90470018031DN	Use Correct Change Lamp	1.95	241
H90470018031DN	Use Correct Change Lamp	1.95	241
H90580055021DN	Fan Shroud, 1/3 H.P.	4.20	–
H90580069021DN	Fiberglass Soaker	.47	239
H990DN	Air Filter For Glassfront Beverage Vendor	5.00	–

GLASS FRONT BEVERAGE VENDER

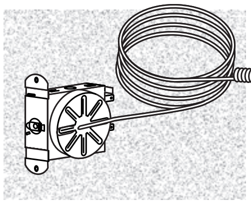
PROXIMITY SENSOR
H777DN
23.40



BOTTLE PUSHER KIT
9 per kit (Springs & Pushers)
H62200040014DN
29.99

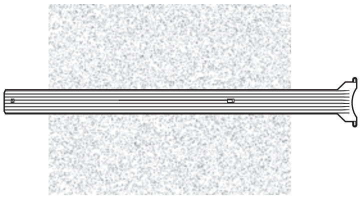


TEMPERATURE CONTROL
Old Ref. W654-1
H58801220004DN
12.95



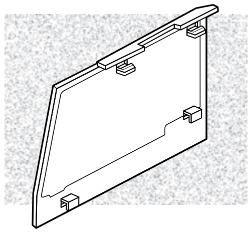
SLIDE, PRODUCT PUSHER

H80181201001DN	5 Tray, Tall Gate	7.95
H80181060001DN	6 Tray, Short Gate	2.10



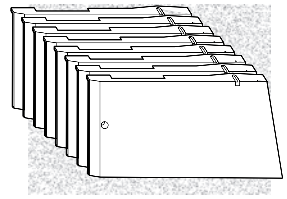
4" CAN SPACER, TALL GATE

H212-1DN	.155 x 3/16" Tall	1.70
H212-2DN	.340 x 3/8" Tall	1.85



CAN SPACER KIT, short gate, 9 pcs.

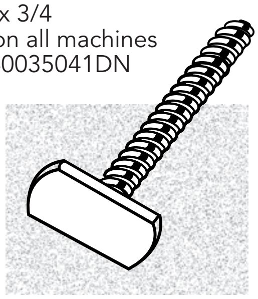
H168-1DN	3/16" Tall	14.85
H168-2DN	3/8" Tall	15.45
H168-3DN	9/16" Tall	16.10



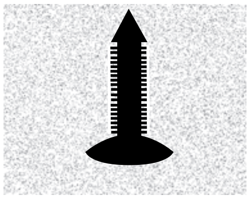
3-COLOR DIXIE NARCO SIGNS

Part Number	Description	Size	Price per ea.
27-1315-00	Generic Curved Front, Model 368/501	68-1/2" x 28-9/16"	151.00
27-1316-00	Generic Curved Front, Model 440/600	76" x 28-9/16"	119.15
27-1317-00	Pepsi, Horizontal Model 432	21-1/8" x 34-5/8"	63.90
H276VDN	Coke/Pepsi/Generic, Flat Front, Model 276, No Port Holes	45-5/8" x 15-1/2"	72.50
H368LCDN	Coke Landscape, Model 348/360/368	68-1/2" x 36-1/8"	116.70
H368HDN	Model 368, Horizontal	34-5/8" x 13-5/8"	65.15
H368VDN	Coke/Pepsi/Generic, Flat Front, Model 360/368/501, No Port Holes	45-5/8" x 24-1/4"	68.80
H501VDN	Generic Flat Front, Model 348/360/368/501	68-1/2" x 27-5/16"	110.65
27-1384-00	Pepsi 368, 501 Bubble Front with Large Port Hole	68-1/2” x 30-3/4”	103.90

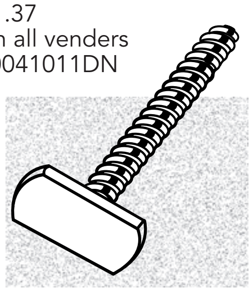
T-BOLT
#8-32 x 3/4
Used on all machines
H90040035041DN
.26



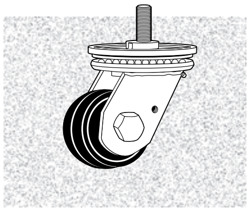
CHRISTMAS TREE CLIP - BLACK
H90090213001DN
.30



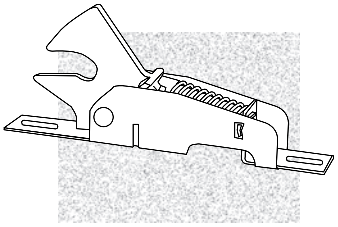
T-BOLT
8-32 x 1.37
Used on all venders
H90040041011DN
.26



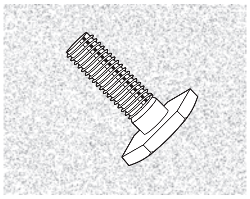
CASTER KIT - 4 CASTERS PER KIT
Used on all machines
H49101020014DN
162.75



BURST OPEN LATCH
H80150161001DN
6.45



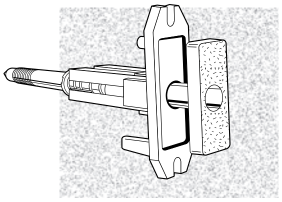
LEG LEVELER - 1-5/8”
Used on all machines
H90050249091DN
1.70



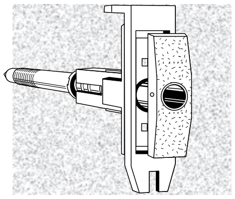
Dixie-Narco®

T-HANDLES

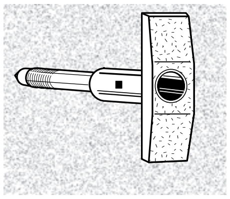
Used on "E" model machines
30-0194-00
14.95



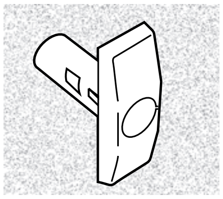
H80150287001DN
13.20



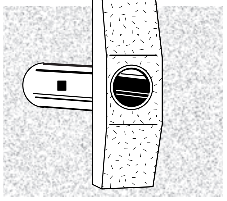
For NVRV machines
30-0195-00
6.95



T-Handle only
Used on all machines except 7UP
30-0183-00
3.95

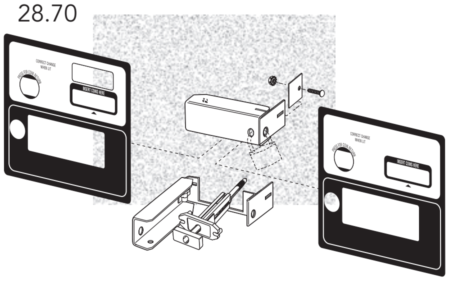


T-Handle Flange
30-0182-00
3.95



LOCK COVER KIT

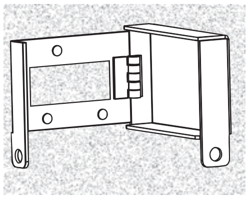
Used on 'E' model and VRV machines with push button coin return
H48001120014DN
28.70



LOCK COVER KIT

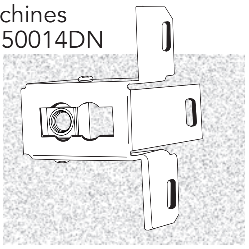
- Ref. # 604,054,500.54
- Used on Dr. Pepper V4 machines
- Black powder coat finish

H60405450054DN
27.50



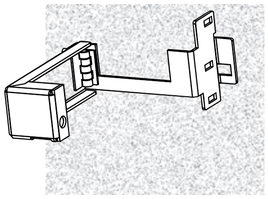
COMPLETE CAGE NUT ASSEMBLY

Used in 180 / 276 / 300 / 348 / 360 / 368 / 414 / 432 / 440 / 501 / 522 / 600 Coke machines
H43205250014DN
14.45



LOCK COVER KIT

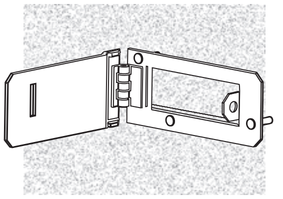
For Coke, VRV with push button coin return and NVRV with coin lever return
H57201010034DN
26.49



LOCK COVER KIT

- Ref. # 624,010,000.04
- Used on Coke 'Wave' machine
- Red powder coat finish

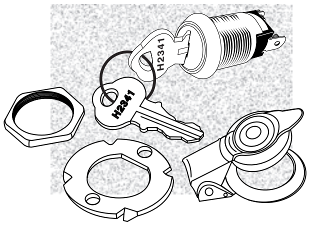
H62401000004DN
27.50



LOCKOUT SWITCH ASSEMBLY

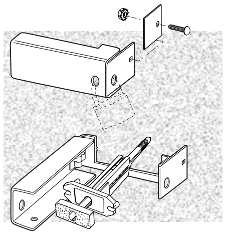
- Protects the lock from weather damage
- Used in 5,6,7,8 Select Non-Membrane SIID Venders
- Used with H80490546011DN, Lockout Switch Lead Harness Assembly

H80151010001DN
27.40



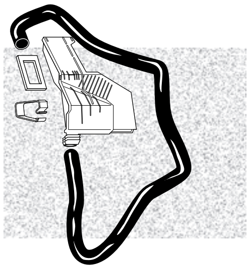
LOCK COVER KIT

For Pepsi Magnum serial # 3101 and up, generic round front, RC, Very Fine
H48001040024DN
26.49



VENDER DEFENDER KIT

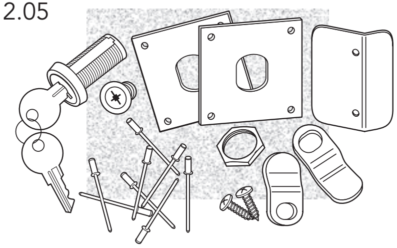
H49154070034DN
35.85



INNER DOOR LOCK KIT

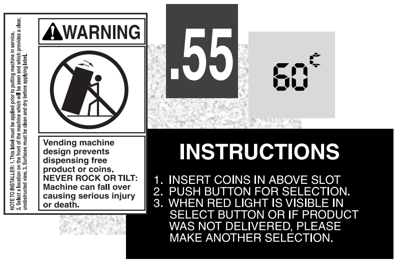
H36001030014DN	Key # 1289
H36001030014DN	Key # 1352
H36001030014DN	Key # 1414

12.05



PRICE LABELS

See page 216 for details



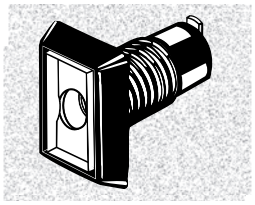
NOTE TO INSTALLER: 1. This label must be applied prior to putting machine in service. 2. Select a location on the front of the machine which will be seen and which provides a clear, unobstructed view. 3. Surfaces must be clean and dry before applying label.

Vending machine design prevents dispensing free product or coins. NEVER ROCK OR TILT: Machine can fall over causing serious injury or death.

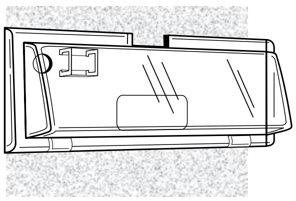
INSTRUCTIONS

1. INSERT COINS IN ABOVE SLOT
2. PUSH BUTTON FOR SELECTION.
3. WHEN RED LIGHT IS VISIBLE IN SELECT BUTTON OR IF PRODUCT WAS NOT DELIVERED, PLEASE MAKE ANOTHER SELECTION.

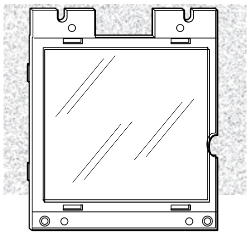
PUSHBUTTON ASSEMBLY
H80190302011DN
7.25



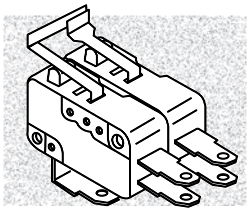
CLEAR PUSH BUTTON
1-7/8" x 3-7/16"
H80180511001DN
1.75



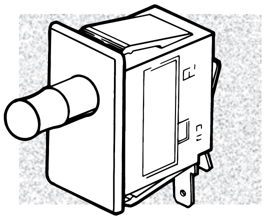
POINT OF SALE WINDOW
For Coke machines
H80180693041DN
4.50



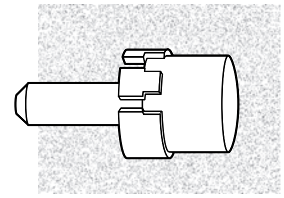
DOUBLE CLUSTER SWITCH
H80410069001DN
3.53



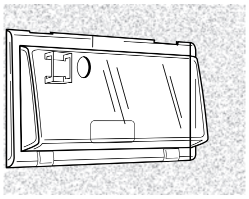
DOOR SWITCH
For SII and SIID machines
H80410077021DN
5.55



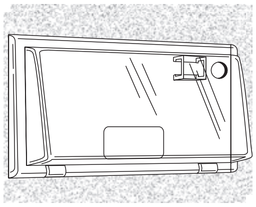
PUSH BUTTON
For Coke machines
H80180571061DN
.47



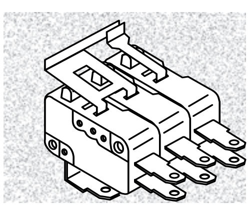
CLEAR PUSH BUTTON
3-3/8" x 2-3/4"
H80180451001DN
2.35



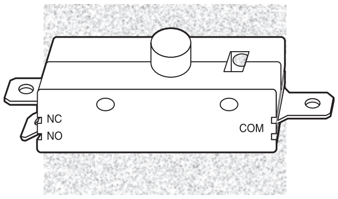
VERY FINE CLEAR BUTTON
H80180817001DN
3.25



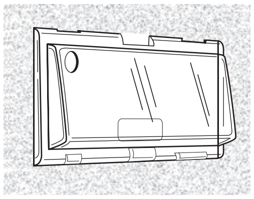
TRIPLE CLUSTER SWITCH
H80410070021DN
9.70



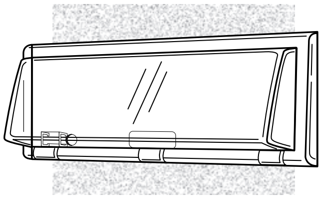
SELECT SWITCH
For all machines
95-0407-00
2.00



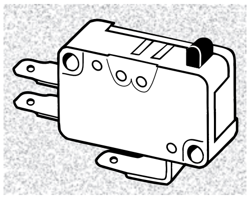
CLEAR BUTTON
Overall Size 3-1/2"w x 1-3/4"
H80180924001DN
1.65



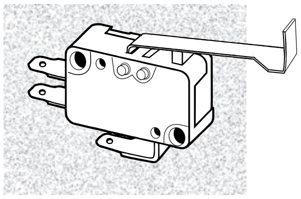
CLEAR PUSH BUTTON
2" x 7"
H80180482001DN
5.10



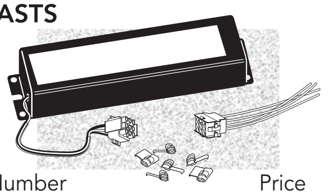
SELECT SWITCH
Ref. 804,100,710.21 Used on Coke, Dr. Pepper and 7UP machines
95-0733-01
.92



SINGLE SWITCH
Used on SII and E model machines
H80410073001DN
3.10



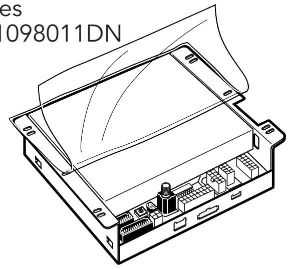
BALLASTS



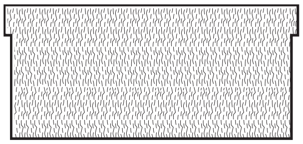
Part Number	Price
H80440014001DN	10.55
H80440025001DN	68.25
H80440037061DN	40.20
H80440039031DN	52.85
H80440049031DN (Export)	41.30

VENDING PARTS

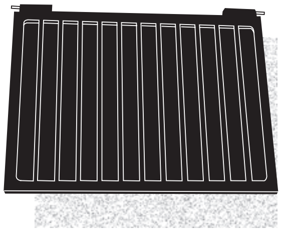
CONTROL BOARD
For non-Coke, SIID and 'E' model machines
H80491098011DN
280.00



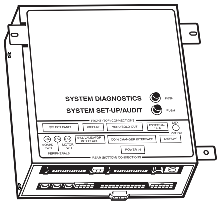
SHIM, .045 PLASTIC
For Pre Series 90 machines (before 1990)
H80180512011DN
2.55



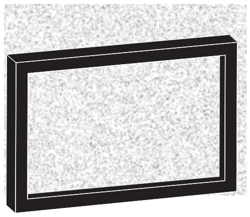
CAN DOOR FLAPS WITH POSTS
H80180660041DN
6.30



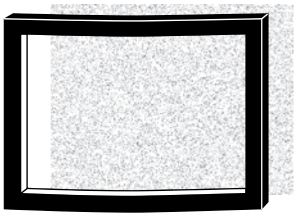
CONTROL BOX
For SII machines
H80490668091DN
614.30



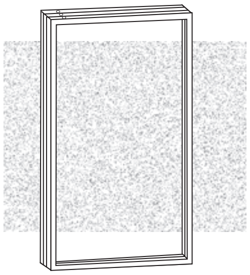
DELIVERY PORT TRIM
Used in all curve front cold drink machines
H80160286041DN
9.90



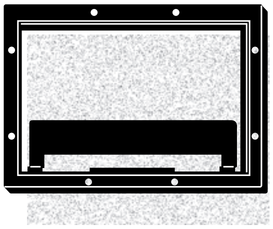
DELIVERY PORT TRIM
H80160251011DN 10.40
H80160286031DN 9.84



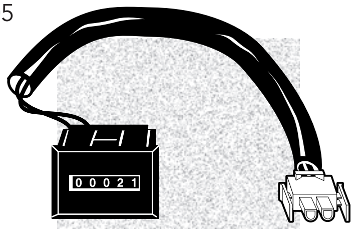
DOOR GASKET
H80180406001DN
22.00



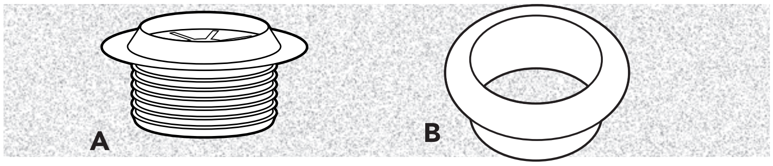
SPACER PORT
Used on Pepsi and generic machines
H80180550031DN
3.45



KIT COUNTER SERVICE
For all machines
H43201210034DN
18.05

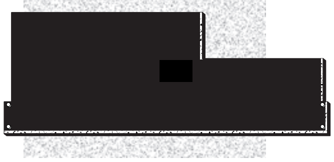


INNER DOOR BUSHINGS & RETAINER

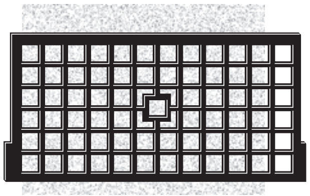


Part Number	Key	Description	Price per ea.
H80180642051DN	A	Inner Door Bushing	.71
H80180643031DN	B	Bushing Door Retainer	.71

SHIM, FLAT
Used on 'T' Wide Column machines
H80190186001DN
3.95



SHIM, FLAT
For any Rectangular Wide Column machines
H80180496021DN
2.15



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HAPP
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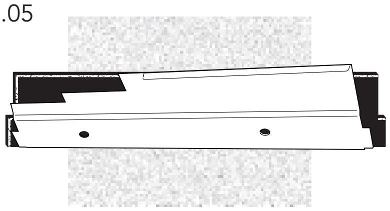
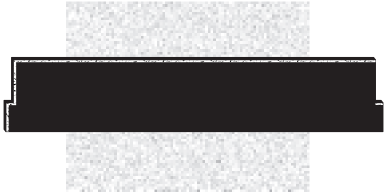
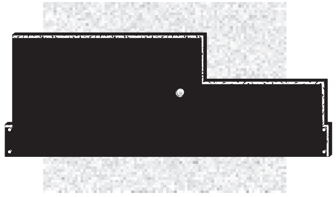
SHIM, BOTTLE
For 'E' Model machines
Old Ref. 609,070,150.73
H80570115001DN
4.05



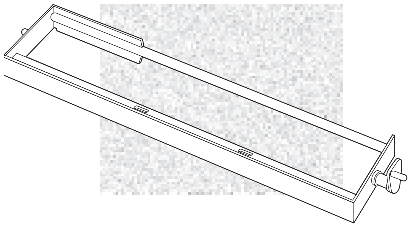
SHIM, 3/32 FLAT, SHORT
For 'E' model machines
H80180981001DN
4.40



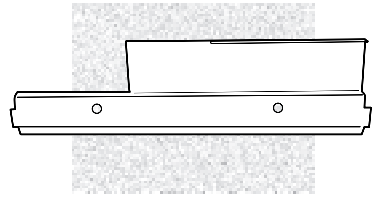
LEFT SHIM
For 'T' model machines
H80180490041DN
4.50



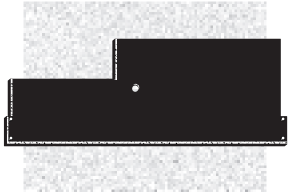
OSCILLATOR
For 'T' model machines
H80120102041DN
15.30



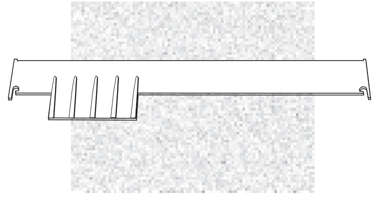
SHIM, CAN
For 'E' Narrow Column machines
H80570114001DN
5.55



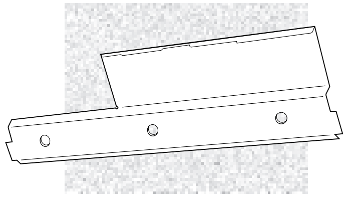
RIGHT SHIM
For 'T' model machines
H80180489041DN
4.50



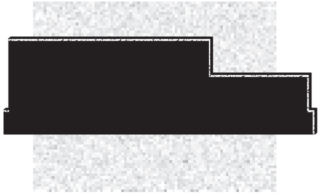
SINGLE SPACER COLUMN SHIM
H80180495011DN
1.05



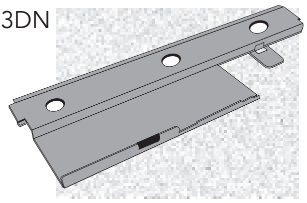
SHIM, CAM STOP
For all 12 oz. can machines
H49707013083DN
2.40



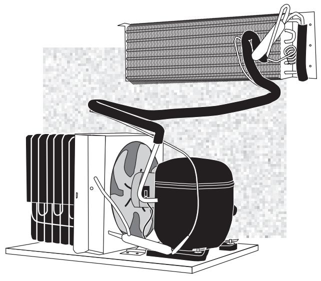
SHIM, 3/16 FLAT
For 'E' model machines
H80180972001DN
5.20



SHIM CAN STOP AND LIFTER ASSEMBLY
Used on the Total Beverage Machine vender
H58707260003DN
2.55



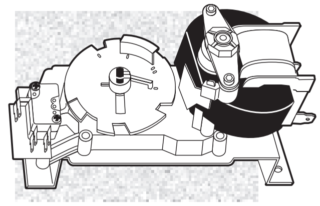
REFRIGERATION ASSEMBLIES



Part Number	Model Machines	Price
H56014140004DN	168/180/240/276/ 300/320/348/360/ 368/414/432/440	479.20
H60904350004DN	276E/489 non-Coke/501E/ 501T non-Coke 522T non-Coke/600E/ 630L/DMV 72N/DMV 72W	469.80
H56034460014DN	432T/489 Coke/501T Coke/522T Coke/588/ 600T/630T	540.60

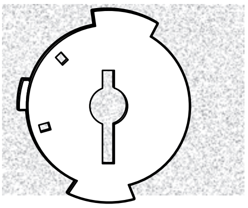
VEND MOTORS

Part Number		Price Per ea.
H23607020013DN	Black	45.65
H43207070003DN	Blue	45.65
H49707080003DN	Green/Yellow	44.75
H17907060033DN	Red	45.65
H60907070063DN	Red/Gray	48.80
H36107040003DN	Gray	50.88
H49707090003DN	Brown	45.65
H60907090023DN	Brown	45.65

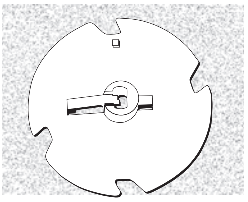


HAPP CONTROLS
is an authorized
BVA
Better Venders Association
SUPPLIER

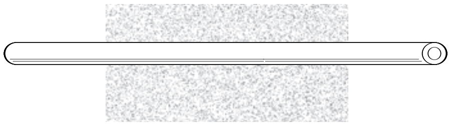
CAM ADJUST: WIDE COLUMN, GOLD
For 'T' model machines
H80180640041DN
.74



BLUE MOTOR CAM
H80180639061DN
.71

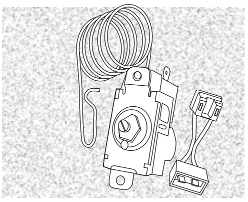


TUBE, 'E' MODEL, 18-3/8"
For 'E' model machines
H80190324001DN White
H80190323001DN Red
3.45

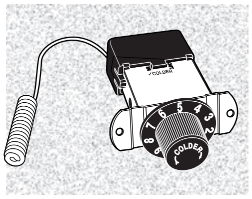


TEMPERATURE CONTROL KIT
New GE Style control
Replaces Ref. No. 802,800,480.21
Ref. No. 572,012,200.04
Includes:
(1) Control (Happ No. H80280059021DN)
(1) Adapter Harness
(Happ No. H80491619001DN)

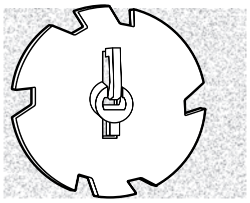
H57201220004DN
18.49



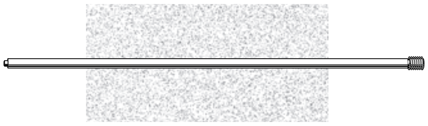
TEMPERATURE CONTROL
Ref. 802,800,380.01
Used in old 630 machines
H80280038001DN
26.25



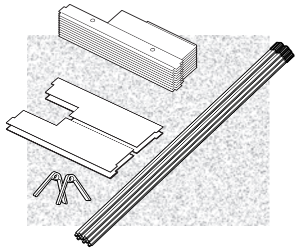
MAIN CAM: 'T' WIDE COLUMN, GREEN
For 'T' model machines
H80180641051DN
.74



ROD AND SPRING ASSEMBLY
H36101010003DN 16" 3.95
H60907030013DN 19" 4.90

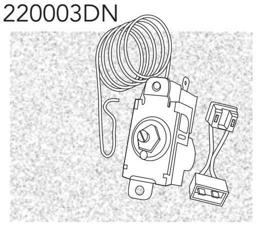


CONVERSION KIT, 12 OZ CAN
Used on 'E' model machines
H60907260004DN
76.55

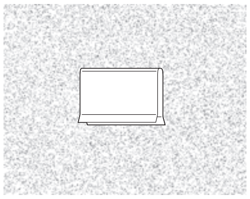


TEMPERATURE CONTROL KIT
Includes temperature control
(80280058011) and adapter harness
(80491619001)
Replaces Ref. No. 802800500
Ref. No. 60901220003

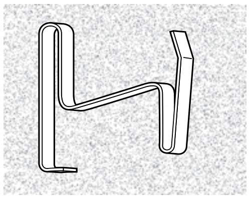
H60901220003DN
13.35



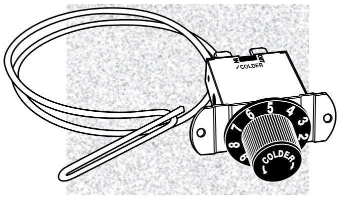
TINNERMAN CLIP
For all machines
H90090189001DN
.25



METAL CLIP, VERTICAL GUIDE, NARROW COLUMN
For 'E' Model and Dr. Pepper machines
H80090240031DN
.69



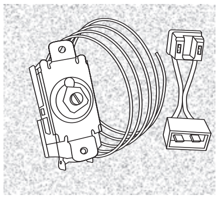
TEMPERATURE CONTROL
H80280009031DN
15.75



TEMPERATURE CONTROL KIT
- New GE Style control
- Replaces Ref. No. 802,800,470.01
- Ref. No. 588,012,200.04
- Includes:

(1) Control (Happ No. H80280065021DN)
(1) Adapter Harness
(Happ No. H80491619001DN)

H58801220004DN
12.95



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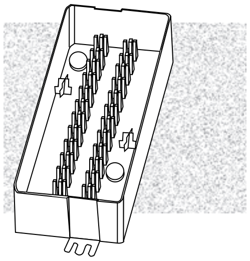
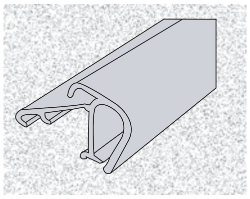
COOP BVA INC.
Better Vendors Association

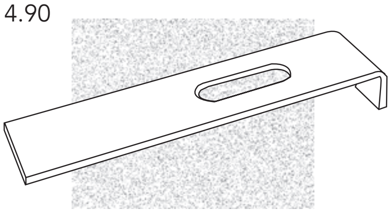
CONDENSATION PAN
H80180424081DN
2.75



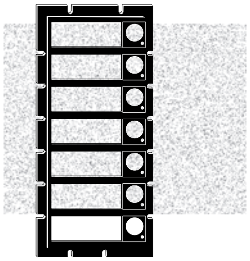
PLASTIC GATE 1 ARM
H80180851001DN
1.80



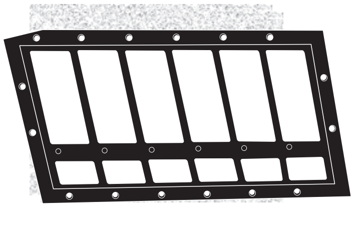
LATCH
H26705017013DN
4.90



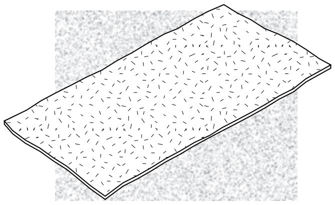
SELECT PANEL
For Coke 7 Select machines
H80180574001DN
14.40



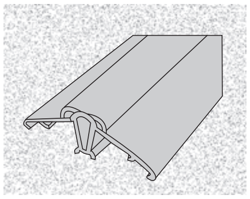
SELECT PANEL FOR 7-UP
H80180598001DN
15.60



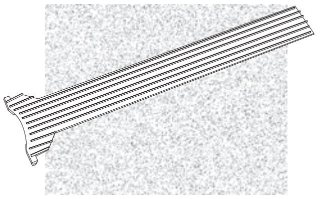
SOAKER – DRIP PAN
H90190002021DN
.97



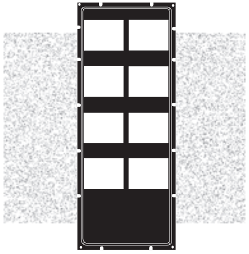
PLASTIC GATE 2 ARM
H80180850001DN
2.15



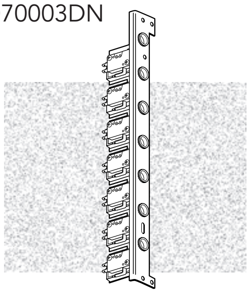
5-TRAY DELIVERY SLIDE
For 16 oz.
H330-1DN
5.45



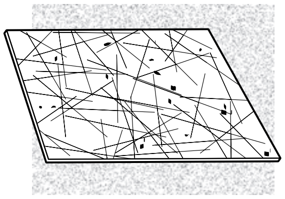
8 SELECT PANEL FRAME ONLY
Used on 368,440,501 generic machines
H46905050013DN
1.23



SELECTION SWITCH BAR ASSEMBLY
Used on Coke 448 machines
H49105070003DN
24.55

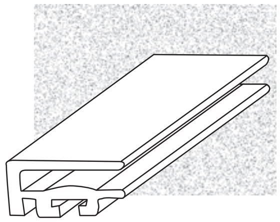


FIBERGLASS SOAKER
For all machines
New extra absorbent!
H90580069021DN
.47

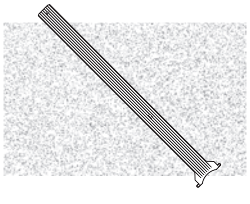


PLASTIC TRIM

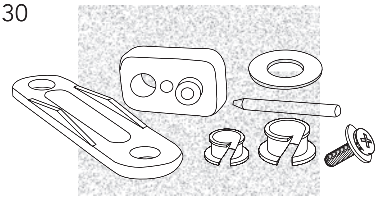
H80181028001DN	96-1/4"	13.40
H80180968011DN	76-7/16"	10.40
H80180967011DN	69"	9.45



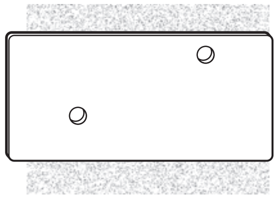
SLIDE
5 Tray, Tall Gate
H80181201001DN
7.95



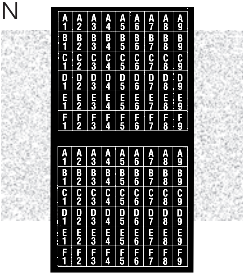
LINKAGE & DRIVE ARM KIT
For Coke 501CC, 522CC machines
H49107050003DN
6.30



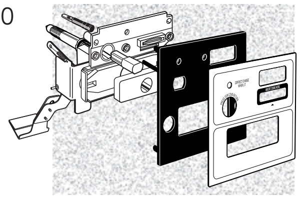
INSULATOR PAD
For all machines
H80180435011DN
.48



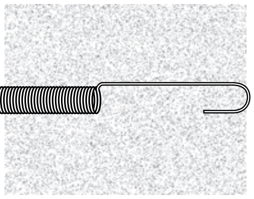
POSITION SELECT SHEET
A1 – A9 through F1 – F9
Used on Glass Front Beverage machine
H485-1DN
2.95



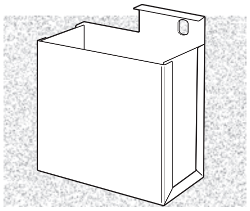
COIN INSERT ASSEMBLY
Used on SII, VRV Dr. Pepper / Pepsi / Generic machines
H59101010004DN
58.00



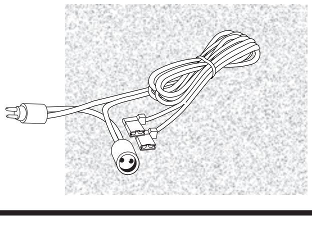
COIN RETURN PLUNGER SPRING
H90170063001DN
.82



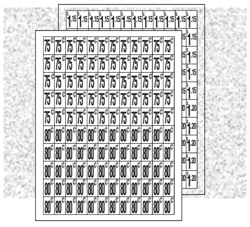
CASH BOX
H45505110003DN
14.35



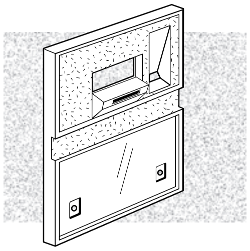
LOCKOUT SWITCH LEAD HARNESS ASSEMBLY
Used on 5,6,7,8 Select Non-Membrane SIID Vendors
Used with H80151010001DN, Lockout Switch Assembly
H80490546011DN
6.80



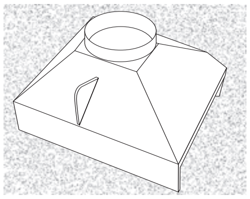
PRICE SHEET
Used in Glass Front Beverage machines
$.75 / $.80 / $1.15 / $1.20
H485-2DN
2.95



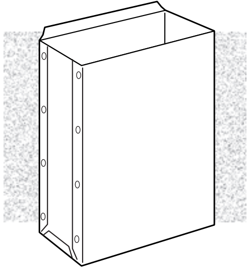
COIN INSERT CASTING
H80120092031DN
15.95



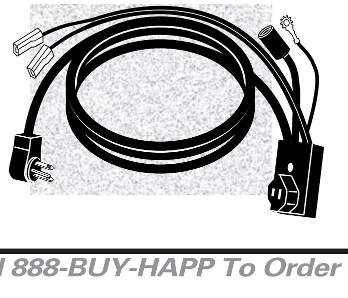
CHANGER HOPPER
H80180430001DN
1.45



MAGNUM CASH BOX
Use on all machines
H36005070053DN
9.10

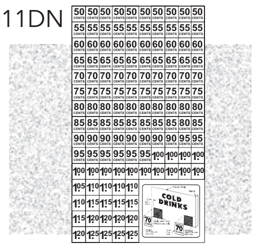


MAIN WIRING HARNESS, DOMESTIC
For any machine
H80490222101DN
29.85



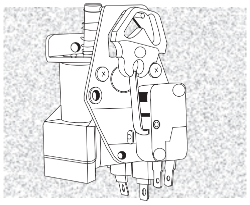
PRICE LABEL SHEET
- $.50 to $1.25
- Used on S11 machines
- Ref. No. 903828820.11

H90382882011DN
2.60

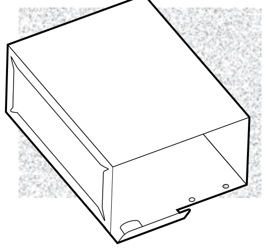


COIN INSERT LABEL
For SII, Coke and VRV machines with push button
H80383508041DN
8.00

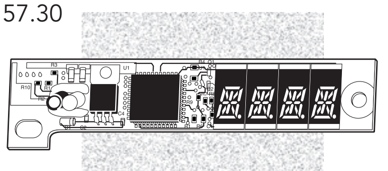
SEQUENCE RELAY
Used on Coke 348/368/414/440/432/501/522/600 Cold Drink machines
H80420019001DN
21.05



LOCKABLE CASH BOX
For all upgraded new 'E' model machines
H43205180023DN
6.05

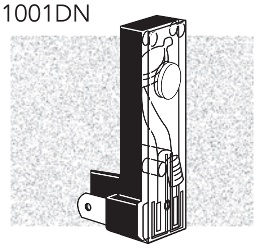


SEGMENT DISPLAY BOARD ASSEMBLY
For SIID and 'E' model machines
H80491096031DN
57.30



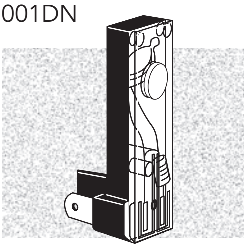
"SOLD OUT" LAMP

For Dr Pepper, Veryfine, 7-UP, RC, Non SII and VRV Non SII Generic
H80470051001DN
1.75



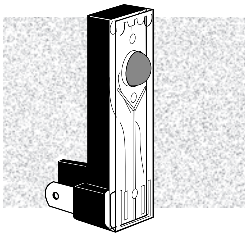
"SOLD OUT" LAMP

For Dr Pepper, Veryfine, 7-UP, RC, Non SII and VRV Non SII Generic Prior to 6156
H80470052001DN
2.25



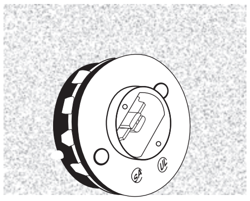
"SOLD OUT" LAMP

For Non VRV SII Machines
H80470057001DN
2.25



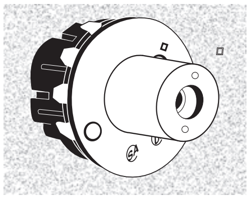
BOTTOM LAMP HOLDER

For high output lamps
Used on Coke, Pepsi, RC & Generic Cold Drink machines
H80490200001DN
3.15



TOP LAMP HOLDER

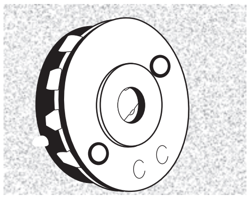
For high output lamps
Used on Coke, Pepsi, RC & Generic Cold Drink machines
H80490202001DN
3.25



BOTTOM SINGLE PIN LAMP HOLDER

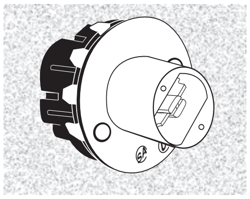
- Used on Pepsi, RC and Generic Machines
- Lampholder, Bottom, Slim Line, Single Pin

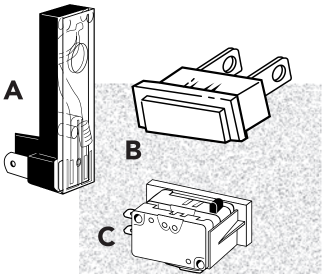
H80490203001DN
2.25



HIGH OUTPUT TOP LAMP HOLDER

Used on Historically on Coke and Dr. Pepper Machines
H80490199001DN
3.85

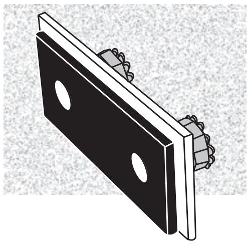




Key	Description/Part Number	Price
A	Sold Out Lamp 91-1160-00 Ref. No. 804, 700, 210.21	1.15
B	Use Correct Change Lamp H90470018031DN Ref. No. 804,700,210.21	1.95
C	Sold Out Switch Assembly H80410075071DN	4.05

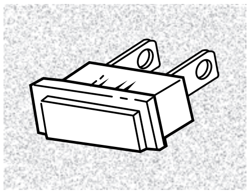
COVER PLATE FOR CORRECT CHANGE LAMP

H49101100024DN
1.23



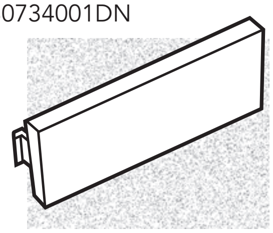
"USE CORRECT CHANGE" LAMP

Used on all vendors except E-Model's
H90470018031DN
1.95



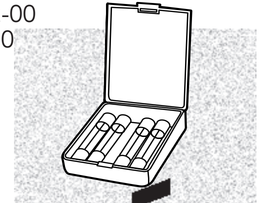
LENS DISPLAY BOARD

Used on SII and SIID machines
H80180734001DN
2.15



FUSE

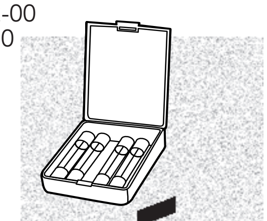
5 x 20mm, 1.6A/250V, GMD (Slow Blow)
Ref 804,800,716.01
49-5062-00
1.35 L/10



COOPER
Bussmann

FUSE

5 x 20mm, 6A/250V, AGC (Fast Blow)
Ref 804,910,930.01
49-0652-00
1.35 L/10



COOPER
Bussmann

Part Number	Description	Price	Page
_	Shelf Liners	_	250
_	Replacement Trim	_	255
27-1010-00	Hot Filter	32.55	246
27-1011-00	Everpure Cold Water Filter	25.10	–
27-1026-00	Monetary Door Slide	26.45	251
27-1048-00	Momentary Switch	4.05	246
27-1059-00	Remote Lockout Sender, Radio Frequency	55.40	–
27-1066-00	Filter Head O-Ring	.49	246
27-1189-00	Coffee Overlay	23.35	–
30-0118-00	Remote For National 222 Remote Lockout Device, Hard Wire	42.80	–
30-0307-00	Replacement Lift Handle Set	14.95	254
91-3011-00	Fluorescent Lamp	2.95	255
91-3037-00	F5 Compact Fluorescent	4.20	248
91-3037-00	F5 Compact Fluorescent	4.20	248
H1000N	Filter Paper	20.45	248
H100N	Microwave Bowl Adapter 140/141/143/144	53.10	252
H100TN	Microwave Bowl Adapter 145	53.10	252
H1121806R	Drive Motor	49.10	255
H1171098N	Leg Leveler Assembly	19.10	–
H1172045N	Coin Insert Casting, Old Style	11.05	–
H1172190N	Lift Handle Lever	19.95	–
H1211141N	Switch 2DM4	7.55	–
H1236050N	Load Switch, For Turning Turret Interlock	11.55	–
H1302290N	Latch for Lift Handle	.79	254
H1302291N	Pin for Lift Handle	.38	254
H1302401N	Coin Casting, New Style	25.00	–
H1302407SN	Replacement Trim	7.45	255
H1302408BN	Replacement Trim	7.45	255
H1302408SN	Replacement Trim	7.45	255
H1302409SN	Replacement Trim	15.15	255
H1302409XSN	Replacement Trim	15.15	255
H1400006N	Item Tabs (Item 1 - Item 30)	1.90	252
H1400042N	Item Tabs (Item A - Item EE W/Gum & Mint)	3.45	252
H1401071N	Roller Guide - Left	1.90	253
H1401110N	Switch 1DM3	5.40	–
H1402101N	Light Diffuser	6.90	–
H1407018N	Shelf Roller	.61	253
H1407019N	Shelf Roller Stud	1.15	253
H1407048N	Shelf Roller Nut	.40	253
H1407107N	Label Holder Candy	3.15	253
H1411138N	Roller Guide - Right	2.35	253
H1417001N	Label Holder Snack	2.20	253
H1417030N	Cam Follower	6.45	252
H14494RM	Rinse Hose Assembly -Gravity Feed	9.95	248
H1450005N	Item Tabs (Item A1 - Item G5)	3.85	252
H145002810N	Price Inserts - 1.40/1.45	3.45	253
H145002811N	Price Inserts - 1.50/1.55	3.45	253
H1450028130N	Price Inserts - .30/.35	3.45	253
H145002813N	Price Inserts - 1.70/1.75	3.45	253
H1450028140N	Price Inserts - .40/.45	3.45	253
H145002814N	Price Inserts - 1.80/1.85	3.45	253
H145002815N	Price Inserts - 1.90/1.95	3.45	253
H14500281N	Price Inserts - .50/.55	3.45	253
H14500282N	Price Inserts - .60/.65	3.45	253
H14500283N	Price Inserts - .70/.75	3.45	253
H14500284N	Price Inserts - .80/.85	3.45	253
H14500285N	Price Inserts - .90/.95	3.45	253
H14500287N	Price Inserts - 1.10/1.15	3.45	253
H14500288N	Price Inserts - 1.20/1.25	3.45	253
H14500289N	Price Inserts - 1.30/1.35	3.45	253
H1450028N	Price Labels .25 - $2.50	3.45	252
H1451105N	Coin Mech Interface PCB Assembly	37.05	–
H1451172N	Ramp Tray Guide - Right Side	3.95	252
H1452018N	Lock Bar And Stud Assembly	16.85	–
H1452022N	Instruction Plate, Insert Coin	7.00	–

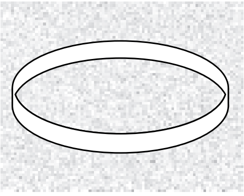
Part Number	Description	Price	Page
H1452029N	145/146 Touch Pad Membrane	39.60	252
H1452030N	Coin Return Cup Assembly	14.50	247
H1452030N	Coin Return Cup Assembly	14.50	251
H1452038N	Gum And Mint Display	11.55	–
H1452191N	Coin Return Knob Only	2.55	–
H1452193N	Coin Return Knob	7.05	252
H1452203BN	Replacement Trim	15.15	255
H1452203XBN	Replacement Trim	15.15	255
H1452228BN	Replacement Trim	7.45	255
H1452235N	PCB Display Assembly	135.15	252
H1452236N	Instruction Plate, Insert Coin Or Bills	7.45	–
H1452330N	Instruction Plate, Insert Coin	8.05	–
H1452362N	Instruction Plate, Electronic Retailer	12.70	–
H1457091N	145/146 Product Motor	13.25	252
H1457150N	Label Holder Candy	20.95	253
H1462018N	Light Shield	20.40	–
H1471066N	Receptacle Block And PCB Assy.	20.85	–
H1471399N	Blower Motor For 147/148/474/475	57.75	–
H1472068N	Door Pivot Bracket, Right	3.75	–
H1472069N	Door Pivot Bracket, Left	3.75	–
H1472123N	Instruction Plate, Insert Coin Or Bills	9.50	–
H1472223N	Coin Insert	2.60	–
H1472247N	End Disk Delivery Door, Left Hand	26.95	–
H1472251N	Pushbutton	.64	–
H1472261N	Cable Assembly Ribbon	13.20	–
H1472411N	Pinion Gear	1.15	–
H1472448N	End Disk Delivery Door, Right Hand	4.20	–
H1475029N	Switch Assembly Selection	19.60	–
H1475051N	Instruction Plate, Electronic Retailer	6.00	–
H1475055N	Switch Assembly Data	28.40	–
H1477002N	Harness Tray, 2 Motors	8.15	–
H1477003N	Harness Tray, 3 Motors	10.55	–
H1477005N	Harness Tray, 6 Motors	19.40	–
H1477015N	Shelf Roller Price $1.00 With Blue Retainer	1.55	–
H1477017N	Tray Latches	.63	–
H1477023-1N	11 Count Spiral, Left, Black, Without Retainer	8.15	–
H1477023N	Dual Spiral 11 Count, Left	14.65	253
H1477026-1N	11 Count Spiral, Right, Black, Without Retainer	8.15	–
H1477026N	Dual Spiral 11 Count, Right	14.65	253
H1477042N	Spiral	15.80	–
H1477045N	Spiral	15.80	–
H1477074N	Product Pusher	.62	253
H1477085N	PCB Assembly Tray	18.15	–
H1477094N	Harness Tray, 4 Motors	10.85	–
H1477105N	Dual Spiral 6 Count, Right	15.40	253
H1477112N	147/148 Product Motor	14.00	252
H1477113N	Coupling Spiral	.62	–
H1479062N	Stud	.51	–
H1479063N	Roller	.37	–
H1479066N	PCB Assembly, Gum & Mint Interface	11.35	–
H1479080N	Spool Spring, Gum & Mint	.69	–
H1479106N	Spring Pusher, Gum And Mint	.82	–
H1479145N	Arm For Gum & Mint Motor Tray	.74	–
H1576002N	PCB Assembly, Tray Contact	9.05	–
H157606008N	PCB Assembly, Snack Interface	65.05	–
H1577009N	Product Label Sheet - A0-A9	2.70	254
H1577010N	Product Label Sheet - B0-B9	2.70	254
H1577011N	Product Label Sheet - C0-C9	2.70	254
H1577012N	Product Label Sheet - D0-D9	2.70	254
H1577013N	Product Label Sheet - E0-E9	2.75	254
H1577014N	Product Label Sheet - F0-F9	2.75	254
H1579008N	Cable Ribbon, 16 Conductor	4.50	–
H21287ARM	Spray Head Only - Pressure Feed	6.60	248
H21287RM	Rinse Hose Assembly - Pressure Feed	11.80	248
H2204092N	Cotter Pin Hair Pin	.39	–
H2222124N	Glass Channel	.48	–
H2224042N	Anti-Pilferage Spring	.72	–

Part Number	Description	Price	Page
H2226312N	Metal Pull Knob	15.50	–
H2228033N	Main Ratchet Dog Mechanism	3.45	–
H2304108N	Overflow Switch Lever	6.75	–
H2304109N	Switch Roller Lever	4.25	–
H2366091N	Switch Roller Lever	4.80	–
H3014064N	Ice Dispensing Mech Assembly	190.25	–
H3102027N	Delivery Door Panel	55.40	–
H3102189N	Selection Strip	6.70	–
H3102190N	Selection Strip	6.00	–
H3103029N	E Clips	.98	–
H3104038N	Dryer C032FM	16.85	–
H3108019R	CDM O-Ring	.56	–
H3108045N	Water Inlet Valve	67.35	–
H3108146N	Switch Water Tank	12.65	–
H3108342N	Electrode Assembly Carb., Short	22.10	–
H3108344N	Electrode Assembly Carb., Long	22.10	–
H3118007N	Low Water Switch Actuator	2.55	–
H3118011N	Switch Limit, Filter Paper Sold Out	4.50	–
H3118012R	Agitator Motor	88.80	255
H3123018N	Overload Protector, Copeland 1/3 HP	21.00	–
H3126124N	PCB Assembly, Power Factor	191.75	–
H3128049N	Capillary Tube Assembly	56.70	–
H3128052N	Capillary Tube Assembly, Long	32.70	–
H3128144N	Agitator Motor Fan Blade	2.15	–
H3128176N	Agitator Motor Replacement Kit	82.35	–
H3148039N	Water Pump	151.80	–
H3148045N	Water Pump To Cool San Tube Assembly	16.45	–
H3148052N	Water Inlet Valve Assembly	76.15	–
H315064N	Switch Ice Level	32.40	–
H3151056N	PCB Assembly Reg Rect & Filter	84.60	–
H3151114N	Replacement Kit Cab Cont E.L. Ice Bank	362.60	–
H3152022N	Pushbutton Grid Assembly	49.25	–
H3152024N	Pushbutton Grid	1.90	–
H3152042N	Touch Pad Membrane - Hot Tron/Cold Tron	22.45	246
H3152281N	PCB Assembly COMP MP Auto	659.25	–
H3152346N	PCB Assembly Automatic Door	45.60	–
H3152480N	Kit Replacement	105.65	–
H3152506N	PCB Assembly Door	460.20	–
H3152565N	Ribbon Cable Assembly	10.85	–
H3153007N	Cycle Switch Assembly	10.30	–
H3153019N	Cup Ring Assembly, Anti Theft, 12-18 oz.	105.60	–
H3154031N	Extruding Head Assembly	313.65	–
H3154035N	Bearing Assembly	107.55	–
H3154070N	Motor Condenser Fan	47.55	–
H3154080N	Agitator Hub Assembly	128.60	–
H3154086N	Kit Drive Pin & Shaft Seal	100.65	–
H3156034N	High Carb Valve Assembly	67.55	–
H3156040N	Triac	43.10	–
H3157030N	Syrup Pump Assembly, Final 9-16 oz.	197.10	–
H3158044N	Ice Bank Control	114.25	–
H3158072N	Cool San Drain Valve	51.00	–
H3158101N	Valve Assembly, 3 Way	121.40	–
H3160004N	Cab Cont 315 Elib With Programmed Eprom	364.15	–
H3161007N	Cab Cont 315 Elib Without Programmed Eprom	294.10	–
H3161013N	Transformer	33.35	–
H3167007N	B.I.B. CO2 Pump	122.90	–
H3167066N	Valve Syrup Predyne	76.70	–
H3167103N	Oetiker Clamp, 12.3	1.15	–
H3167104N	Oetiker Clamp, 17.0	.95	–
H3167122N	Transfer Valve Syrup	35.75	–
H3167125N	Secondary CO2 Regulator	26.80	–
H3167128N	Fitting Parker P4MCB2	1.25	–
H3167129N	B.I.B. CO2 Pressure Switch	57.15	–
H3167151N	Liquid Box QC/D Fitting (Pepsi)	14.30	–
H3167171N	Hose Splicer Juice L & M #4001	2.75	–
H3169006N	PCB Assembly, Sold Out	7.25	–
H3502037N	Switch Limit Brewer Open Clamp	2.95	–
H3502081N	Sold Out Lens	.62	–
H3612035N	PCB Assembly, Door Cont Without Eproms	479.45	–
H3618096N	Probe Sensor Assembly	23.45	–
H401000N	PCB Assembly, Channel Food Module	62.50	–
H4031050N	Blower Motor Wheel	35.60	–
H4035068N	Canvas Cover	6.00	–
H4035431N	Rear Handle	48.40	–
H4041043N	Condensation Pan, Aluminum	28.50	–
H4041055N	Rear Screen	21.80	–
H4041075N	Evaporator Motor	146.55	–
H4041079N	Fan Blade	17.70	–
H4042027N	Delivery Door Panel	44.05	–
H4042075N	Cashbox	23.45	–
H4042090N	Make Another Selection Lens	6.00	–
H4042230N	Selection Button Castings	26.75	–
H4042531N	Bubble Push Door	36.80	–
H4042532N	Push Door	26.05	–
H4042533N	Push Door Gasket	51.15	–
H4042536N	Pin	1.05	–
H4042555N	Retainer	.52	–
H4042556N	Canoe Clip	.35	–
H4047075N	Loading Paddle	14.15	–
H4071040N	Circuit Breaker, 15 AMP	16.10	–
H4071041N	Circuit Breaker, 15 AMP	16.10	–
H4101207N	Rear Screen	20.95	–
H4102035N	Back Plate - Delivery Door	6.00	255
H4102212N	Selection Button Casting	46.80	–
H4171014N	Trim Cup	.61	251
H4171041N	Evaporator Blower Motor	84.95	251
H4171137N	Cold Control	21.90	251
H4171137N	Cold Control	21.90	255
H4171215N	Drip Pan	49.80	–
H4171216N	Lower Screen	36.90	–
H4171220N	Suction Line Cover Assembly	12.80	–
H4171225N	Rear Screen	40.20	–
H4172020N	Price Disc Assembly	2.70	251
H4172048N	Price Disc	2.70	251
H4172052N	Glass Gasket	52.50	–
H4172054N	Glass Heater	78.25	–
H4172112N	Pushbutton	5.60	–
H4172201N	9 Selection Button Panel	117.05	–
H4172211N	10 Selection Button Panel	117.05	–
H4172412N	Instruction Frame	39.35	–
H4241289N	Blower Motor	155.50	–
H4245061N	Coin Casting	37.00	–
H4245077N	Coin Casting Block Out Plate	17.15	–
H4245081N	Coin Return Cup	17.85	–
H4245082N	Coin Return Cup Flap	9.95	–
H4245083N	Vend Door Spring	4.30	–
H4245196N	Instruction Plate, Upper	8.15	–
H4245197N	Instruction Plate, Lower	13.45	–
H4246171N	Drive Sprocket	4.55	–
H4246306N	Rack Solenoid	21.05	–
H4247011N	Front Left Cover	1.80	251
H4247012N	Front Center Cover	2.30	251
H4247013N	Front Right Cover	1.80	251
H4247029N	Tray Cover - Left, Tray Cover - Center, Tray Cover - Right	2.45	251
H4247030N	Center Tray Cover	2.39	–
H4247031N	Right Tray Cover	2.45	–
H4247522N	Cam Actuator Arm	1.40	251
H424AN	Price Label Set With Selection Labels, Black	6.95	–
H4255024N	Instruction Plate, Insert Bill Below	8.95	–

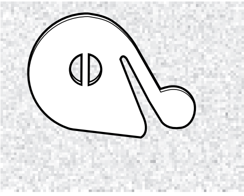
Part Number	Description	Price	Page
H4255042N	Touch Pad Membrane	34.95	–
H4255252N	PCB Display Assembly	140.60	–
H4255408N	Refrigeration Relay, Replaces H9989417N	17.00	–
H4300050N	Solid State Upgrade Kit	216.70	–
H4301359N	Solenoid Laminated	36.20	–
H4301374N	Sensor Home Switch Kit	37.50	–
H4301396N	Drive Gear	6.10	252
H4301398N	Bushing & Drive Shaft Assembly	19.15	–
H4301399N	Drive Motor & Shaft Replacement Assembly	166.10	–
H4301416N	PCB Assembly, Motor Direction Solid State	50.60	–
H4301417N	Triac & Bracket Assembly	69.40	–
H4302145N	Delivery Door Spring	2.25	251
H4302196N	Delivery Door Decal	3.15	–
H4302274N	Replacement Trim	12.70	255
H4302276N	Fluorescent Socket	3.45	–
H4302319N	Switch For 430 Snack Machine	3.35	–
H4302372N	Delivery Door	9.90	251
H4302533N	Data Switch Assembly	28.60	–
H4302534N	Price Display PCB Assembly	137.10	–
H4302537N	PCB Assembly Power Supply	48.60	–
H4302556N	Blower Motor Assembly	40.20	251
H4302615N	EPROM For Control Board	57.30	–
H4302641N	PCB Assembly Interface	82.35	–
H4305066N	Instruction Plate, Insert Coin	8.55	–
H4305067N	Instruction Plate, Insert Coin Or Bills	8.55	–
H4305075N	Directional Switch Replacement Kit	89.85	–
H4311124N	Drive Motor 55 RPM, Reversible By Itself	71.80	–
H4316009N	PCB Assembly Cabinet Interface	73.95	–
H4319004N	Ribbon Cable Main PCB To Interface	11.45	–
H4319007N	Ribbon Cable Credit Display To Main Controller	16.85	–
H4319012N	Motion Detector Assembly By Itself	25.10	–
H4402008N	PCB Assembly Tray Food Module	32.90	–
H4402010N	Flat Cable Assembly	11.95	–
H4404000N	PCB Assembly Interface Fresh Food	60.50	–
H4407079N	Arm Drive Motor	2.30	–
H4407080N	Coupling Motor And Shaft	6.20	–
H4407084N	Actuator Assembly Health Control Switch	18.85	–
H4407093N	Cam Health Control Switch Override	4.20	–
H4407501N	Harness 6 Motor	42.90	–
H4614002N	Elect Assembly Relay With Overload	14.15	–
H4614136N	Compressor Comp Water Bath 115 VAC	15.30	–
H4724065N	Relay Compressor	6.60	–
H4724067N	Overload Compressor	5.00	–
H4724124N	Fan Evaporator	28.50	–
H4731059N	Motor, Coffee, Choc, Cream, Sugar Canister	57.80	–
H4731346N	Blower Motor For 473/475/476/478/479/485	78.80	–
H4733008N	Motor Cup Release & Turret	36.90	–
H4744508N	Fan Evaporator Axial	154.85	–
H4744510N	Relay Spdt Refg	15.10	–
H4744555N	PCB And Motor Assembly	32.25	–
H4744563N	PCB Assembly Cold Can Module	64.35	–
H4747035N	Cam Ejector Drive	1.35	–
H4747036N	Switch Actuator Sold Out	1.15	–
H4747606N	Cam Ejector	3.45	–
H4747709N	Bracket And Temperature Assembly	52.00	–
H4750066N	Water Valve	49.15	247
H4751026N	PCB Assembly R3 Coffee With Out Eprom	222.95	–
H4774302N	PCB Assembly Interface	90.75	–
H5004420N	Coin Cup Assembly, Metal	34.00	–
H515N	Push Door Panel	35.20	–
H516N	Glass Panel	21.90	–
H5201091N	Switch Roller Lever Brewer Home	6.15	–
H5271664N	Start Switch Actuator	.97	246
H5271673N	Safety Switch Actuator	.67	246
H5271687N	Drive Belt	8.15	246
H5272273	Cam	8.75	–
H5272394N	Empty Switch Actuator	2.00	246
H5273345N	Payout Slide	5.55	246
H5273469N	Coin Cup	13.85	246
H6001791AP	Cash Box With Handle	18.25	–
H606N	Coffee Overlay	24.60	–
H6104142N	Brewer Seal, Use H6234375N	2.45	–
H6104193N	Quad Ring Seal Lower Insert	4.45	246
H6104428N	Brew Basket With Filter	29.05	–
H6107195N	Impeller Housing	2.75	248
H6107197N	Whipper Impeller	2.05	247
H6107198N	Thrust Spring	7.20	247
H6114015N	Brew Filter	11.70	247
H6117010N	Dispenser Spout	4.30	–
H611N	Menu Label Set	8.55	–
H6132006N	Drive Motor CCW Auto Door	97.70	–
H6132021N	Link Arm Assembly Auto Door	5.30	–
H6132022N	Cam Assembly Auto Door	9.05	–
H6134152N	Coffee Manifold Assembly	32.40	–
H6134155N	Brewer Barrel Manifold Valve	1.05	–
H6137024N	Canister Wheel	6.25	–
H6137054N	Ingredient Bowl	9.35	248
H6138038N	Top Seal	13.70	247
H6138062N	Float	15.85	246
H6138076N	O-ring	.95	–
H6138078N	Heater Gasket - Hot Tron	8.20	247
H6138230N	Brew Valve Outlet Spout	18.85	–
H6138235N	Brew Valve Rebuild Kit	26.90	247
H6154284N	Control Assembly	20.45	–
H6157016N	475 Coffee Canister	15.60	–
H6157084N	Flow Regulator Kit	59.70	–
H6158014N	Thermostat - Hot Tron	128.15	248
H6158068N	Seat For Hot Water Value	.45	–
H6183001N	Motor C.C.W., 4.7 RPM	70.30	–
H6187001N	Mixing Bowl	4.30	–
H6202526N	Selection Plexiglass Panel, New Style	95.35	–
H6203110N	Arm, Shaft & Roller Assembly, Drive Motor	26.35	–
H6204223N	Filter Support, Stainless 30 Mesh	3.50	–
H6207012N	GFIC Kit	248.55	–
H6208025N	Plunger and Diaphragm	12.05	248
H6208059N	Tank Heater - Hot Tron	76.95	247
H6220002N	Replacement Assembly Grinding Wheel Kit For 623-8170 Valve	29.25	–
H6230108N	Water Valve Assembly	38.60	247
H6230108N-1	Vent Tube For Water Valve Assembly	.84	–
H6231488N	Cup Deflector Mounting Assembly	6.05	–
H6231555N	Blower Motor For 623/624/625/626/627/633	88.10	–
H6233013N	Driver Geneva	.85	–
H6233014N	Index Plate Geneva	.54	–
H6233105N	PCB Assembly Detector Cup Sensor	26.50	–
H6234104N	Brew Basket Paperless	10.75	–
H6234213N	Brew Barrel Extension	20.35	–
H6234279N	Switch Brewer	4.75	–
H6234297N	Brew Basket Filter Paper	10.20	–
H6234302N	Screen Brewer Barrel	1.90	–
H6234305N	Brew Barrel Lower Insert Assembly	14.15	–
H6234359N	Air Compressor Brewer	173.35	–
H6234361N	Regulator Assembly	63.55	–
H6234375N	Brew Seal	4.85	247
H6234515N	Switch Actuator Brewer Motor	.82	–
H6235020N	Switch Assembly Service	32.10	–
H6236018N	PCB Assembly Power Supply	33.05	–
H6237002N	Mixing Wheel	9.15	248

Part Number	Description	Price	Page
H6237031N	Coffee Bean Nozzle	1.05	–
H6237046N	Auger Motor Plug	1.55	248
H6237057N	Motor Canister, 61 RPM	75.00	–
H6237080N	Dispensing Nozzle	1.30	–
H6237087N	Insert for Bean Hopper Window	4.45	248
H6237098N	Spring For Bean Hopper Window	3.65	249
H6237106N	Nozzle, Dispensing Canister	4.85	–
H6237110N	Whipper Motor Shaft Seal	6.70	–
H6237156N	Whipper Motor	18.45	247
H6237165N	Motor Assembly, 200 RPM	66.65	–
H6237191N	Whipper Rebuilding Kit	11.55	249
H6237195N	Complete Whipper Motor Assembly	66.35	–
H6237201N	Grinder Motor Universal	114.20	–
H6237241N	Pre-Ground Coffee Chute Assembly	17.70	248
H6237252N	Grinder Chute	1.70	249
H6237288N	Grinder Gasket	.51	249
H6237315N	Mixing Bowl Retainer Tube	1.40	–
H6237340N	Filter for Exhaust Blower	2.25	248
H6237347N	Vinyl Cap Without Hole, 1" I.D. X .50" Long	.42	–
H6237439N	Canister	22.35	249
H6238026N	Water Tank Gasket	10.35	249
H6238040N	Valve Rubbers	4.25	–
H6238074N	O-Ring	.66	–
H6238079N	Coil & Frame Assembly	35.70	249
H6238084N	Switch Lever 10 Gram Water Inlet/ Low Water Level	6.50	–
H6238085N	Valve Springs	.46	–
H6238121N	Valve Plunger	3.40	–
H6238123n	Hot Water Valve Body	6.20	249
H6238135N	Thermostat, Auto Reset	5.30	–
H6238172N	Hot Water Valve Seat	.82	–
H6330030N	Water Valve Rebuild Kit	16.75	247
H6334012N	Brewer Motor, 115V	80.60	–
H6335002N	Service Keypad Assembly	17.45	–
H6336000N	PCB Assembly Interface	319.65	–
H6337085N	Whipper Cover	1.95	248
H6338003N	Thermostat Assembly Auto Reset	28.20	–
H6338021N	Silicone Tubing	.25	–
H6338041N	Heater, 1250W, 120V, 10.5 Long	41.36	–
H6338041N	Heater	41.36	249
H6338060N	Spray Head	18.25	–
H6339017N	Flat Cable Display To Controller	8.05	–
H6401036N	Switch Lever Cabinet Interlock	5.00	–
H6401055N	Float Drain Tray	2.25	–
H6401073N	PCB Assembly Cabinet Interface With 3 AMP Glass Fuse	179.95	–
H6401089N	Blower Motor For 640	73.90	–
H6402000N	PCB Assembly Door Controller With Out Eprom	192.00	–
H6402040N	Keypad Assembly Membrane Switch	23.80	–
H6402044N	Key Switch Assembly	18.00	–
H6404004N	Brewer Cylinder	9.60	–
H6404010N	Brewer Motor, 24VDC	38.70	–
H6404011N	Cam Cycle Switch/Coupler	.91	–
H6404043N	Filter Paper	13.95	248
H6404070N	Brewer Screen 60 X 60 Mesh	6.95	–
H6408112N	Thermostat Auto Reset	20.40	–
H6508004N	Thermostat Control	12.00	–
H6508006N	Gasket Heater	5.45	–
H6508032N	Gasket Water Tank Cover	6.50	–
H6508033N	Float - Thread Hole	15.10	246
H650N	Selection Plexiglass	84.50	–
H652N	Menu Strip	15.15	–
H653800N	Hot Water Tank Gasket	4.85	249
H655N	Hot Tron Price Card .25-.55	2.20	246
H656N	Hot Tron Price Card .60-.90	3.35	246
H6605BN	Replacement Trim	59.70	255
H660N	Selection Card, Set of 9	9.85	–
H665N	Selection Card, Set of 7	9.35	–
H7215019N	Customer Touchpad For 633	18.75	–
H9281725N	Vend Door Gasket	8.80	255
H9905010N	Water Valve Rebuild Kit	22.49	247
H9905018N	Syrup Pump Diaphragm	4.05	255
H9983778N	Triac, 35 AMP 600 Volt	32.85	–
H9984616N	Switch Dpst On/Off	17.60	–
H9984622N	Switch Spdt Toggle 20 AMP	13.90	–
H9984629N	Switch Dpst Toggle 20 AMP	8.20	–
H9988208N	Capacitor Motor Run 17UF	10.60	–
H9989012N	Transformer Assembly, 26V	39.25	–
H9989013N	Transformer Assembly, 28 Volt	33.70	–
H9989021N	Transformer Assembly, 24 Volt	36.65	–
H9989038N	Transformer, 230V115 V To 24V	26.45	–
H9989042N	Transformer, 115VB 230V Primary 24V	51.05	–
H9989100N	Filter Interface	18.40	–
H9989103N	Filter Interface	30.68	–
H9989336N	Circuit Breaker, 3 AMP	10.30	–
H9989356N	Circuit Breaker, 1 AMP	11.10	–
H9989358N	Circuit Breaker, 8 AMP	9.60	–
H9989426N	Circuit Breaker, 1/2 AMP	8.90	–
H9989427N	Touch Pad	3.85	–
H9989428N	Membrane Selection	5.90	–
H9989428N	145/146 Membrane Selection Sheet	5.90	252
H9989439N	Thermostat, Auto Reset	5.40	–
H9989480N	PCB Assembly, Power Supply	55.50	–
H9989505N	PCB Assembly, Chilled Candy Ref Driver	36.20	–
H9989548N	PCB Assembly, Temperature Sensor	54.70	–
H9989586N	PCB Assembly, Serial Validator	36.50	–
H9989594N	Drum Interlock Switch	5.00	–
H9989672N	Circuit Breaker, 15 AMP	6.00	–
H9989673N	Main Breaker, 20 AMP	7.35	–
H9989685N	PCB Assembly, Credit Display	90.55	–
H9989695N	Control Board	358.95	–
HP1479126N	Arm And Roller Assembly, Gum & Mint	3.45	–
HP3158061N	Inlet Water Valve Assembly, 115 VAC	60.65	–
HP4302327N	Vend Door Solenoid Assembly	31.45	–

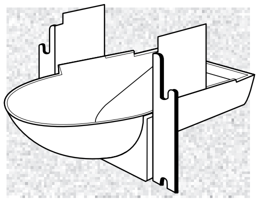
DRIVE BELT
H5271687N
8.15



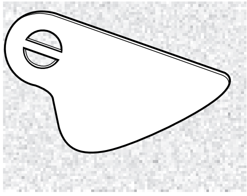
EMPTY SWITCH ACTUATOR
H5272394N
2.00



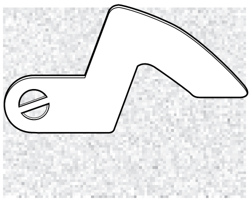
COIN CUP
H5273469N
13.85



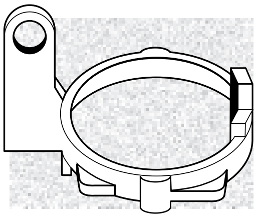
SAFETY SWITCH ACTUATOR
H5271673N
.67



START SWITCH ACTUATOR
H5271664N
.97

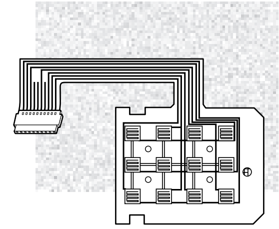


PAYOUT SLIDE
H5273345N
5.55

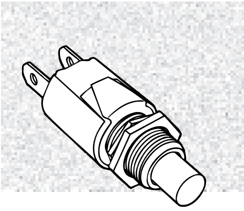


NATIONAL COFFEE

TOUCH PAD MEMBRANE - HOT TRON/COLD TRON
H3152042N
22.45

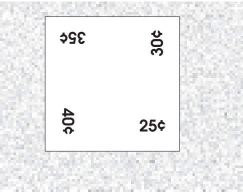


MOMENTARY SWITCH
27-1048-00
4.05

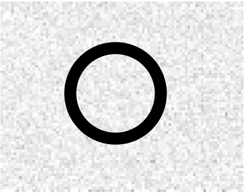


HOT TRON PRICE CARD
For coffee, cup soda machines

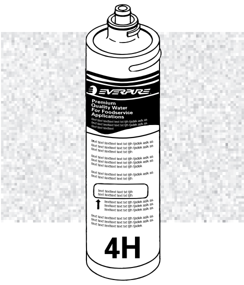
H655N	.25 –.55	2.20
H656N	.60 –.90	3.35



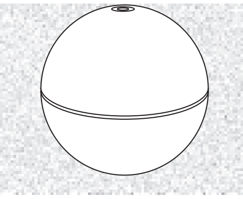
FILTER HEAD 0-RING
27-1066-00
.49



HOT FILTER
27-1010-00
32.55

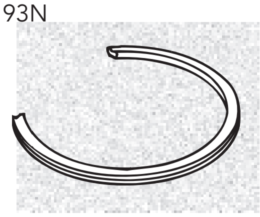


FLOAT - THREAD HOLE
For coffee machines
H6508033N
15.10

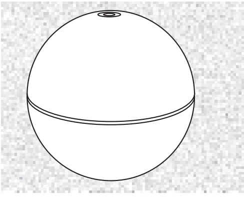


QUAD RING SEAL LOWER INSERT BREW
H6104193N
4.45

NEW

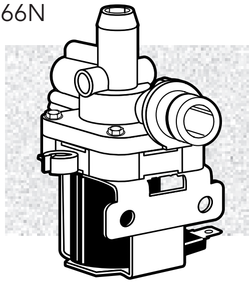


FLOAT
H6138062N
15.85



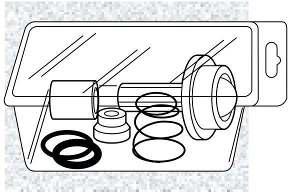
WATER VALVE

For Hot Tron 1, 615, 619, 620
Old ref. # 6138268
H4750066N
49.15



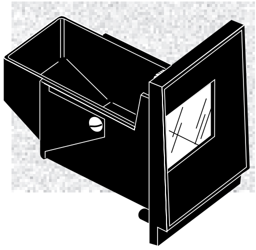
WATER VALVE REBUILD KIT

H9905010N
22.49



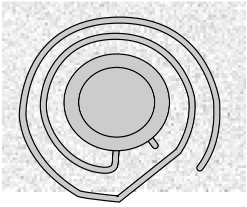
COIN RETURN CUP ASSEMBLY

H1452030N
14.50



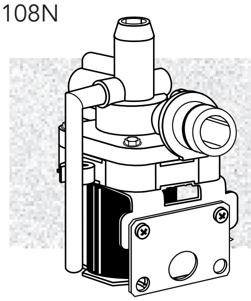
THRUST SPRING

H6107198N
7.20



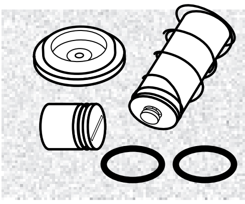
WATER VALVE ASSEMBLY

For 623,625, 627, 630, 633, 638, Cafe 7
Old ref. # 6238092
H6230108N
38.60



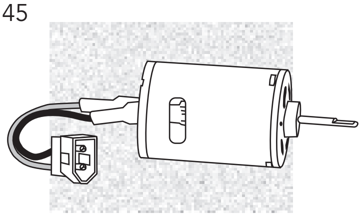
WATER VALVE REBUILD KIT

For H6230108N Water Valve
H6330030N
16.75



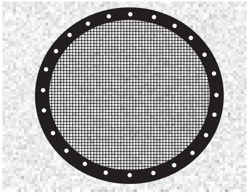
WHIPPER MOTOR

H6237156N
18.45



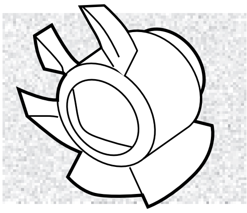
BREW FILTER

H6114015N
11.70



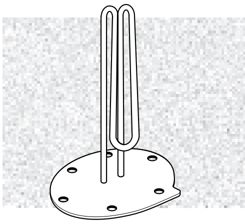
WHIPPER IMPELER

H6107197N
2.05



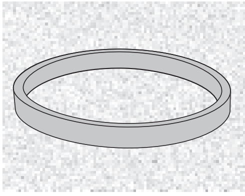
TANK HEATER - HOT TRON

H6208059N
76.95



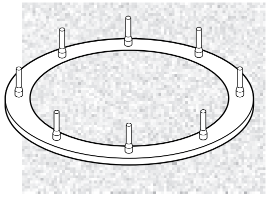
HEATER GASKET - HOT TRON

H6138078N
8.20



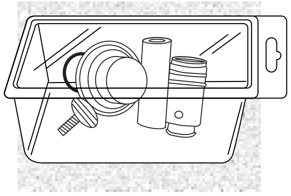
TOP SEAL

H6138038N
13.70



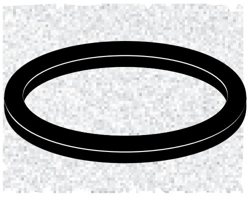
BREW VALVE REBUILD KIT

H6138235N
26.90



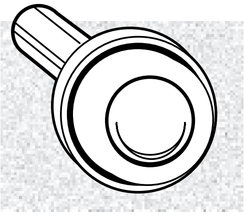
BREW SEAL

H6234375N
4.85



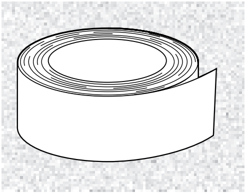
PLUNGER AND DIAPHRAGM

H6208025N
12.05



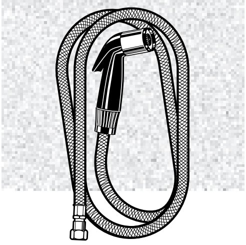
FILTER PAPER

H1000N
20.45



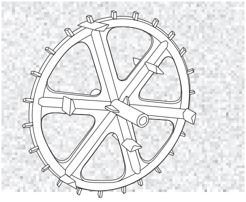
RINSE HOSE ASSEMBLY

H21287RM - Pressure feed - 11.80
H14494RM - Gravity feed - 9.95



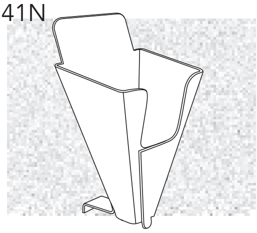
MIXING WHEEL

H6237002N
9.15



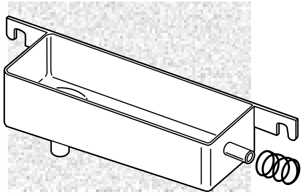
PRE-GROUND COFFEE CHUTE ASSEMBLY

H6237241N
17.70



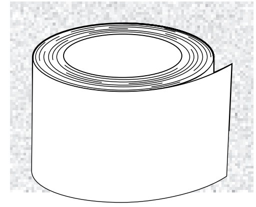
INGREDIENT BOWL

H6137054N
9.35



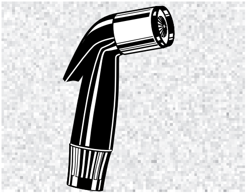
FILTER PAPER

For Cafe 7
H6404043N
13.95



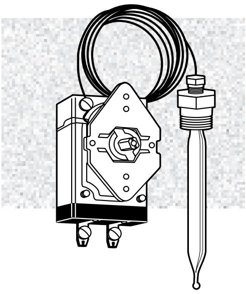
SPRAY HEAD ONLY

H21287ARM - Pressure feed - 6.60



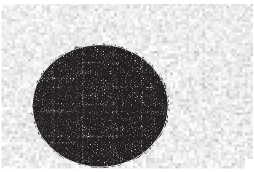
THERMOSTAT - HOT TRON

H6158014N
128.15



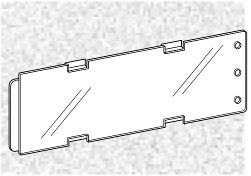
FILTER FOR EXHAUST BLOWER

For 633 machine
H6237340N
2.25



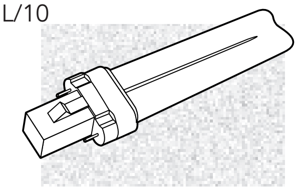
INSERT FOR BEAN HOPPER WINDOW

H6237087N
4.45



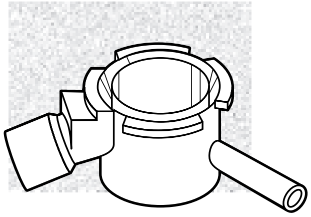
F5 COMPACT FLOURESCENT

91-3037-00
4.20 ea.
3.95 L/10



IMPELLER HOUSING

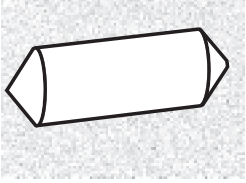
H6107195N
2.75



AUGER MOTOR PLUG

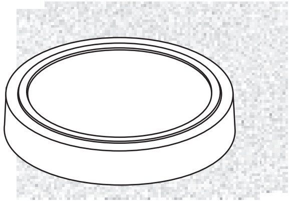
NEW

H6237046N
1.55



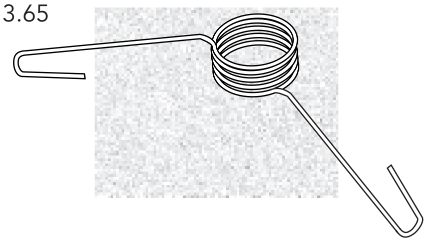
WHIPPER COVER

H6337085N
1.95



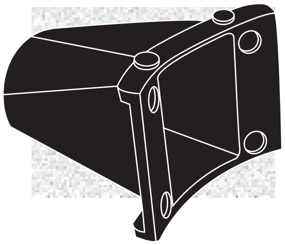
SPRING FOR BEAN HOPPER WINDOW

H6237098N
3.65



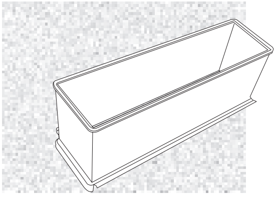
GRINDER CHUTE

H6237252N
1.70



CANISTER

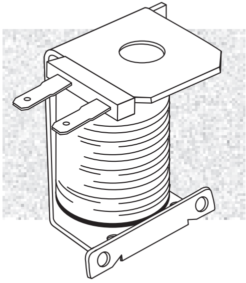
H6237439N
22.35



COIL & FRAME ASSEMBLY

Used on 623 / 625 / 627 Hot Drink machines

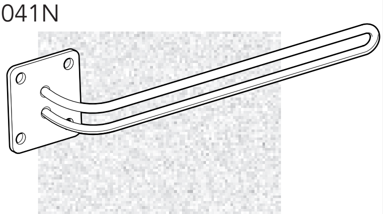
H6238079N
35.70



HEATER

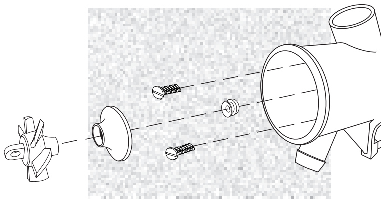
- Curved Tip
- Used on 623, 625, 627, 633, 635, 637 machines
- 1250W; 120V; 10.5" long

H6338041N
41.36



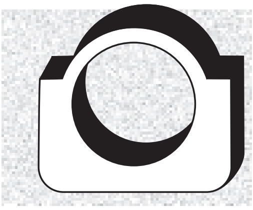
WHIPPER REBUILDING KIT

H6237191N
11.55



GRINDER GASKET

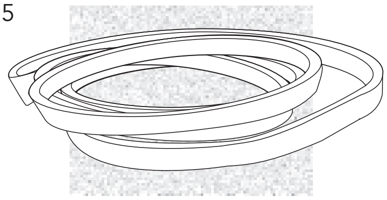
H6237288N
.51



WATER TANK GASKET

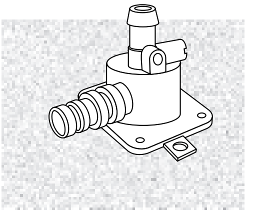
For National 633/635/637 coffee machines

H6238026N
10.35



HOT WATER VALVE BODY

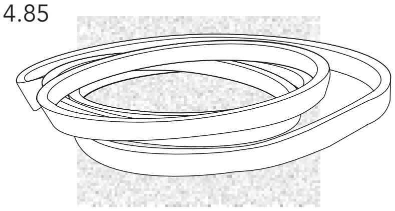
H6238123N
6.20



HOT WATER TANK GASKET

Vulcanized

H653800N
4.85



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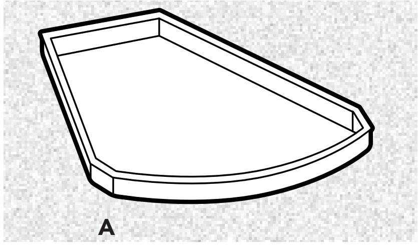
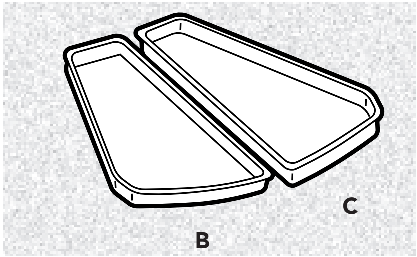
SHOPPERTRON

NATIONAL SHOPPERTRON SHELF LINERS

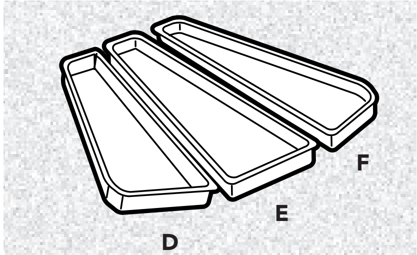
Part Number		Key	Color	Price per ea.	L/1000
HPRN	Platter	A	Red	1.55	1.25
HPBN	Platter	A	Blue	1.55	1.25
HPBKN	Platter		Black	1.55	1.20

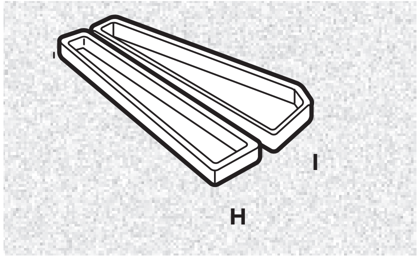


Part Number		Key	Color	Price per ea.	L/900
H1/2LRNS	Left 1/2	B	Red	.53	.42
H1/2LWNS	Left 1/2	B	White	.53	.42
H1/2LBNS	Left 1/2	B	Blue	.53	.42
H1/2LBKNS	Left 1/2	B	Black	.53	.42
H1/2RRNS	Right 1/2	C	Red	.53	.42
H1/2RWNS	Right 1/2	C	White	.53	.42
H1/2RBNS	Right 1/2	C	Blue	.53	.42
H1/2RBKNS	Right 1/2	C	Black	.53	.42



Part Number		Key	Color	Price per ea.	L/1100
H1/3LRNS	Left 1/3	D	Red	.32	.26
H1/3LWNS	Left 1/3	D	White	.32	.26
H1/3LBNS	Left 1/3	D	Blue	.32	.26
H1/3LBKNS	Left 1/3	D	Black		
H1/3RRNS	Right 1/3	F	Red	.32	.26
H1/3RWNS	Right 1/3	F	White	.32	.26
H1/3RBNS	Right 1/3	F	Blue	.32	.26
H1/3RBKNS	Right 1/3		Black	.32	.26
H1/3CRNS	Center 1/3	E	Red	.34	.28
H1/3CWNS	Center 1/3	E	White	.34	.28
H1/3CBNS	Center 1/3	E	Blue	.34	.28
H1/3CBKNS	Center 1/3	E	Black	.34	.28

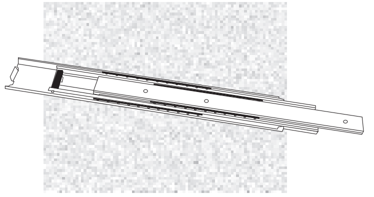




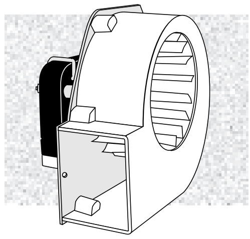
Part Number		Key	Color	Price per ea.	L/1600
H1/4RRNS	Right 1/4	I	Red	.22	.19

Part Number		Key	Color	Price per ea.	L/1300
H1/4CRNS	Center 1/4	H	Red	.20	.14

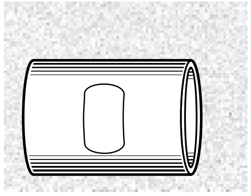
MONETARY DOOR SLIDE
Ref. #417-1242
27-1026-00
26.45



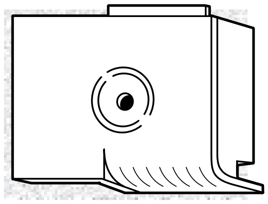
BLOWER MOTOR ASSEMBLY
Old Ref. No. 4302556
H4302556N
40.20



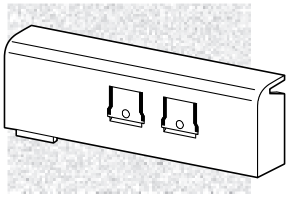
DELIVERY DOOR SPRING
H4302145N
2.25



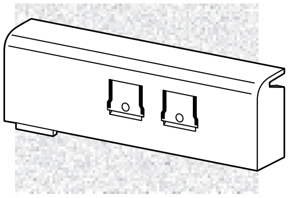
FRONT LEFT COVER
H4247011N
1.80



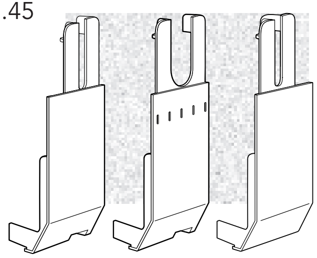
FRONT CENTER COVER
H4247012N
2.30



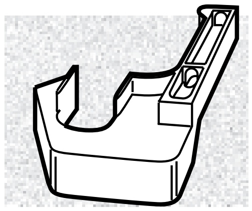
FRONT RIGHT COVER
H4247013N
1.80



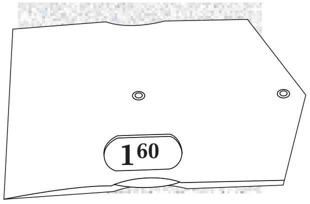
TRAY COVER
H4247029N Left
H4247030N Center
H4247031N Right
2.45



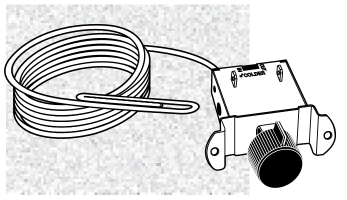
CAM ACTUATOR ARM
H4247522N
1.40



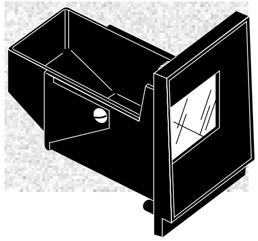
PRICE DISC
H4172048N
2.70



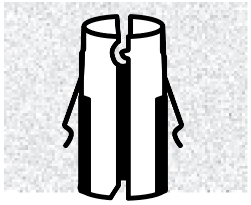
COLD CONTROL
For cold food, milk machines
H4171137N
21.90



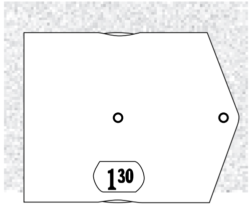
COIN RETURN CUP ASSEMBLY
H1452030N
14.50



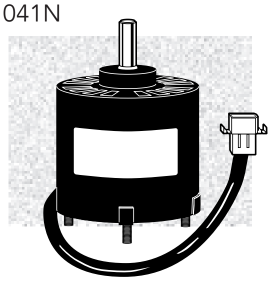
TRIM CUP
H4171014N
.61



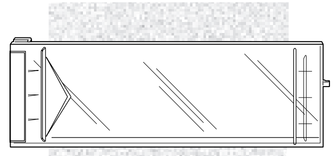
PRICE DISC ASSEMBLY
For FM-72
H4172020N $ .75 - $ 1.50
2.70



EVAPORATOR BLOWER MOTOR
H4171041N
84.95

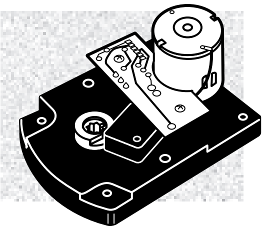


DELIVERY DOOR
For National Shoppertron cold food machine
Ref. 430-2372
H4302372N
9.90

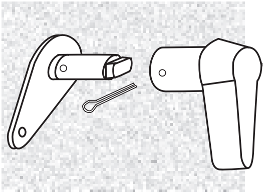


VENDING PARTS

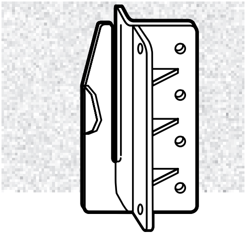
147/148 PRODUCT MOTOR
H1477112N
14.00



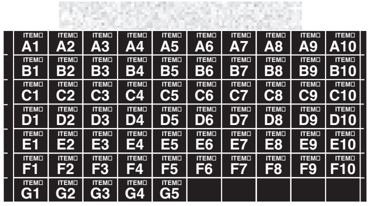
COIN RETURN KNOB
H1452193N
7.05



CAM FOLLOWER
H1417030N
6.45

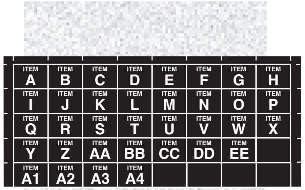


ITEM TABS (ITEM A1 - ITEM G5)
H1450005N
3.85



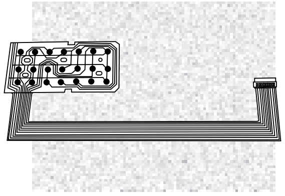
ITEM A1	ITEM A2	ITEM A3	ITEM A4	ITEM A5	ITEM A6	ITEM A7	ITEM A8	ITEM A9	ITEM A10
ITEM B1	ITEM B2	ITEM B3	ITEM B4	ITEM B5	ITEM B6	ITEM B7	ITEM B8	ITEM B9	ITEM B10
ITEM C1	ITEM C2	ITEM C3	ITEM C4	ITEM C5	ITEM C6	ITEM C7	ITEM C8	ITEM C9	ITEM C10
ITEM D1	ITEM D2	ITEM D3	ITEM D4	ITEM D5	ITEM D6	ITEM D7	ITEM D8	ITEM D9	ITEM D10
ITEM E1	ITEM E2	ITEM E3	ITEM E4	ITEM E5	ITEM E6	ITEM E7	ITEM E8	ITEM E9	ITEM E10
ITEM F1	ITEM F2	ITEM F3	ITEM F4	ITEM F5	ITEM F6	ITEM F7	ITEM F8	ITEM F9	ITEM F10
ITEM G1	ITEM G2	ITEM G3	ITEM G4	ITEM G5					

ITEM TABS (ITEM A - ITEM EE W/GUM & MINT)
H1400042N
3.45

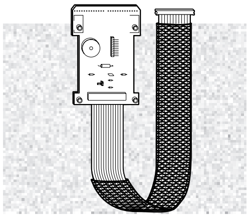


ITEM A	ITEM B	ITEM C	ITEM D	ITEM E	ITEM F	ITEM G	ITEM H
ITEM I	ITEM J	ITEM K	ITEM L	ITEM M	ITEM N	ITEM O	ITEM P
ITEM Q	ITEM R	ITEM S	ITEM T	ITEM U	ITEM V	ITEM W	ITEM X
ITEM Y	ITEM Z	ITEM AA	ITEM BB	ITEM CC	ITEM DD	ITEM EE	
ITEM A1	ITEM A2	ITEM A3	ITEM A4				

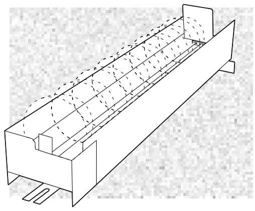
145/146 TOUCH PAD MEMBRANE
H1452029N
39.60



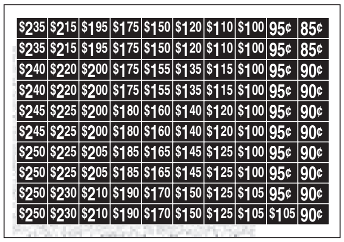
PCB DISPLAY ASSEMBLY
H1452235N
135.15



MICROWAVE BOWL ADAPTOR - 145
H100TN
53.10

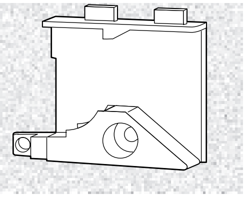


PRICE LABELS .25 - $2.50
H1450028N
3.45

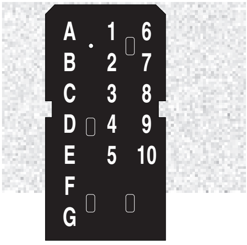


$235	$215	$195	$175	$150	$120	$110	$100	95¢	85¢
$235	$215	$195	$175	$150	$120	$110	$100	95¢	85¢
$240	$220	$200	$175	$155	$135	$115	$100	95¢	90¢
$240	$220	$200	$175	$155	$135	$115	$100	95¢	90¢
$245	$225	$200	$180	$160	$140	$120	$100	95¢	90¢
$245	$225	$200	$180	$160	$140	$120	$100	95¢	90¢
$250	$225	$205	$185	$165	$145	$125	$100	95¢	90¢
$250	$225	$205	$185	$165	$145	$125	$100	95¢	90¢
$250	$230	$210	$190	$170	$150	$125	$105	95¢	90¢
$250	$230	$210	$190	$170	$150	$125	$105	$105	90¢

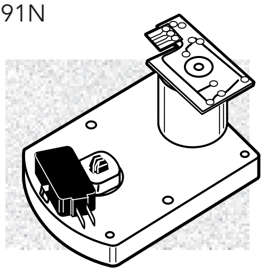
RAMP TRAY GUIDE - RIGHT SIDE
H1451172N
3.95



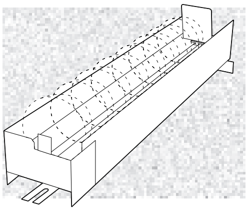
145/146 MEMBRANE SELECTION SHEET
H9989428N
5.90



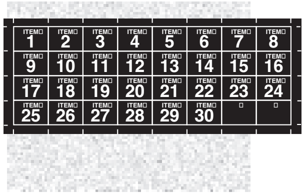
145/146 PRODUCT MOTOR
H1457091N
13.25



MICROWAVE BOWL ADAPTOR - 140/141/143/144
H100N
53.10

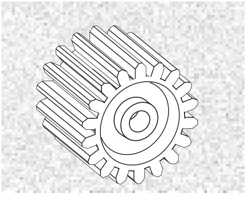


ITEM TABS (ITEM 1 - ITEM 30)
H1400006N
1.90

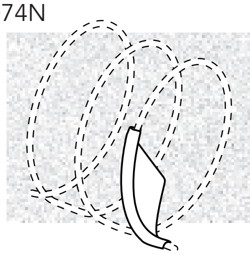


ITEM 1	ITEM 2	ITEM 3	ITEM 4	ITEM 5	ITEM 6	ITEM 7	ITEM 8
ITEM 9	ITEM 10	ITEM 11	ITEM 12	ITEM 13	ITEM 14	ITEM 15	ITEM 16
ITEM 17	ITEM 18	ITEM 19	ITEM 20	ITEM 21	ITEM 22	ITEM 23	ITEM 24
ITEM 25	ITEM 26	ITEM 27	ITEM 28	ITEM 29	ITEM 30		

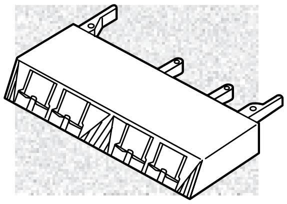
DRIVE GEAR
H4301396N
6.10



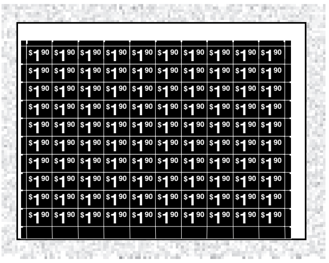
PRODUCT PUSHER
H1477074N
.62



LABEL HOLDER - CANDY
H1457150N
20.95

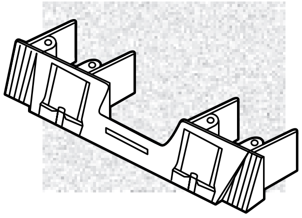


PRICE INSERTS

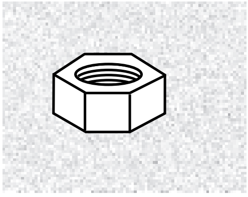


Part Number	Label	Price per ea.
H1450028130N	.30/.35	3.45
H1450028140N	.40/.45	3.45
H14500281N	.50/.55	3.45
H14500282N	.60/.65	3.45
H14500283N	.70/.75	3.45
H14500284N	.80/.85	3.45
H14500285N	.90/.95	3.45
H14500287N	1.10/1.15	3.45
H14500288N	1.20/1.25	3.45
H14500289N	1.30/1.35	3.45
H145002810N	1.40/1.45	3.45
H145002811N	1.50/1.55	3.45
H145002813N	1.70/1.75	3.45
H145002814N	1.80/1.85	3.45
H145002815N	1.90/1.95	3.45

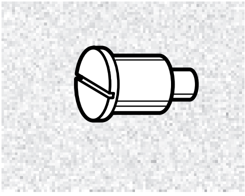
LABEL HOLDER - CANDY
H1407107N
3.15



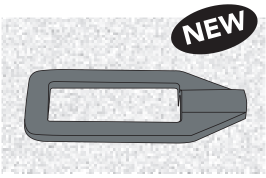
SHELF ROLLER NUT
H1407048N
.40



SHELF ROLLER STUD
H1407019N
1.15

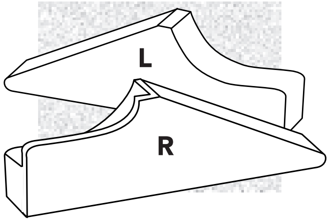


SPIRAL RETAINER ONLY
H1477107N
.26

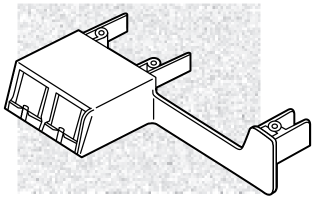


ROLLER GUIDE

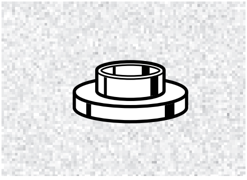
Right	H1411138N	2.35
Left	H1401071N	1.90



LABEL HOLDER - SNACK
H1417001N
2.20

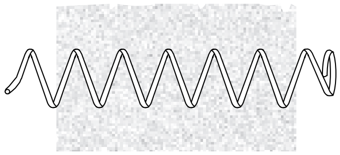


SHELF ROLLER
H1407018N
.61



DUAL SPIRAL
Without Retainer

Part Number		Price per ea.
H1477104N	6 Count, Right	15.40
H1477024N	11 Count, Left	14.65
H1477027N	11 Count, Right	14.65



PRODUCT LABEL SHEET

NEW

A0-A9
For 474 Refreshment Center/
147 Snack Center (0ld Ref # 147-7076)
H1577009N 2.70

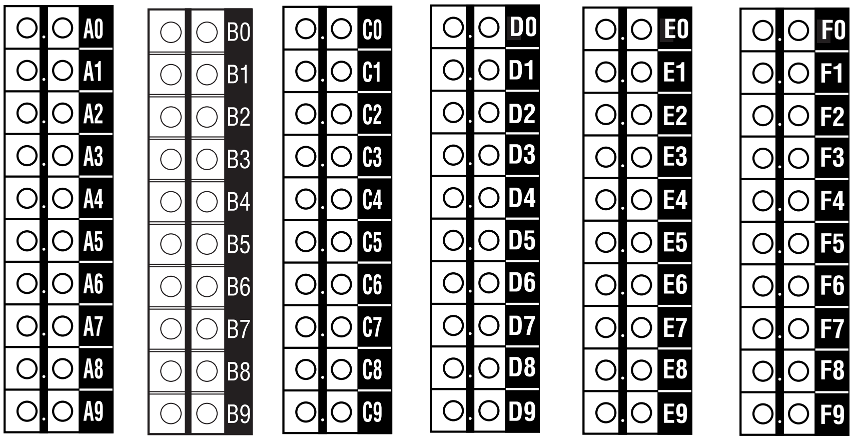
B0-B9
For 474 Refreshment Center/
147 Snack Center (Old Ref # 147-7077)
H1577010N 2.70

C0-C9
For 474 Refreshment Center/
147 Snack Center (Old Ref # 147-7078)
H1577011N 2.70

D0-D9
For 474 Refreshment Center /
147 Snack Center
H1577012N 2.70

E0 – E9
For 474 Refreshment Center /
147 Snack Center
H1577013N 2.75

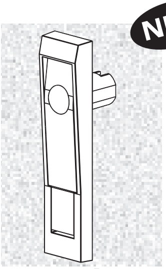
F0 – F9
For 474 Refreshment Center /
147 Snack Center
H1577014N 2.75


A0 A1 A2 A3 A4 A5 A6 A7 A8 A9
B0 B1 B2 B3 B4 B5 B6 B7 B8 B9
C0 C1 C2 C3 C4 C5 C6 C7 C8 C9
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9
E0 E1 E2 E3 E4 E5 E6 E7 E8 E9
F0 F1 F2 F3 F4 F5 F6 F7 F8 F9

REPLACEMENT LIFT HANDLE SET

NEW

- For National Vendors machines
- Brushed stainless finish
- Set includes:
- Lift Handle Lever, Ref. No. 117-2190
  (1) Lift Handle Base, Ref. No. 117-2191

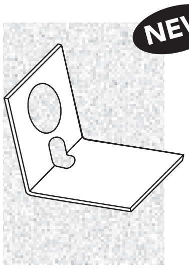


Part Number		Price per ea.
30-0307-00	Replacement Lift Handle Set	14.95

LATCH FOR LIFT HANDLE

NEW

- Ref No. 1302290

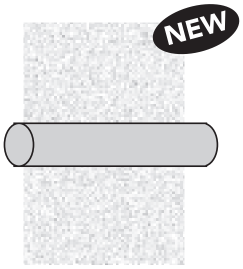


Part Number		Price per ea.
H1302290N	Latch For Lift Handle	.79

PIN FOR LIFT HANDLE

NEW

- Ref No. 1302291



Part Number		Price per ea.
H1302291N	Pin For Lift Handle	.38

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Product Updates!!
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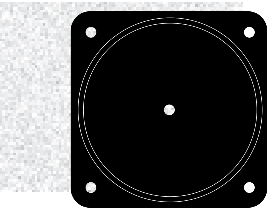
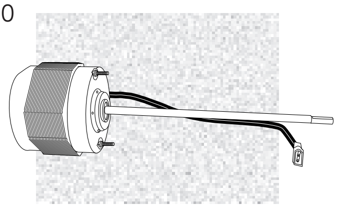
VISIT OUR WEBSITE

CUP SODA

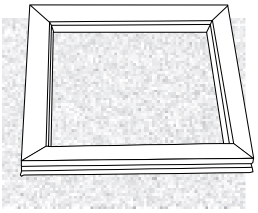
SYRUP PUMP DIAPHRAGM
H9905018N
4.05



AGITATOR MOTOR
H3118012R
88.80

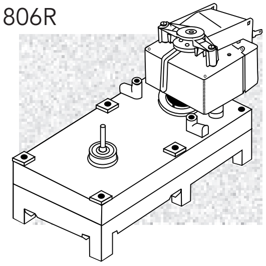


VEND DOOR GASKET
H9281725N
8.80

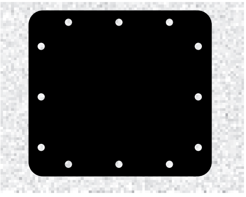


ICE CREAM

DRIVE MOTOR
Ref. # 410-3059
H1121806R
49.10

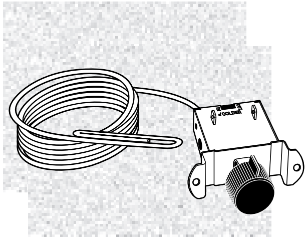


BACK PLATE - DELIVERY DOOR
H4102035N
6.00

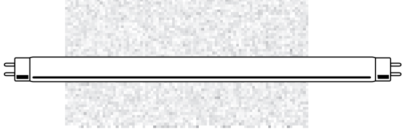


MILK

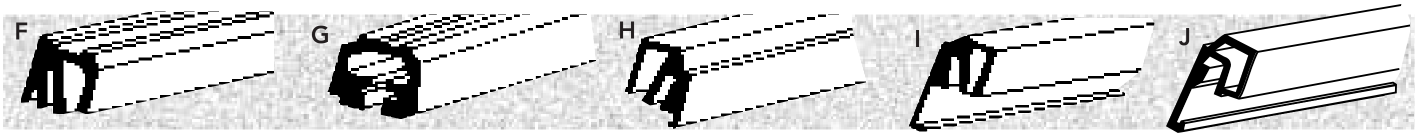
COLD CONTROL
H4171137N
21.90



F18T8/CW/K/28 FLUORESCENT LAMP
91-3011-00
2.95
ea. L/24



REPLACEMENT TRIM



FOR GLASSFRONT, 140 SERIES THRU SNACKTRON, CUP SODA, MILK, ICE CREAM, COFFEE, CANDY, & SHOPPERTRON

NATIONAL IMPERIAL CROWN STYLE 72"

Item Key	Part Number	Description	Length	Price per ea.
F	H1302407SN	Top & Bottom Horizontal - Satin	36½"	7.45
F	H1452228BN	Top & Bottom Horizontal - Black	36½"	7.45
G	H1302408SN	Mid Horizontal - Satin	36½"	7.45
G	H1302408BN	Mid Horizontal - Black	36½"	7.45
H	H1302409SN	Vertical Trim - Satin	65¾"	15.15
H	H1452203BN	Vertical Trim - Black	65¾"	15.15
I	H1302409XSN	Vertical Trim w/ Extended Side - Satin	65¾"	15.15
I	H1452203XBN	Vertical Trim w/ Extended Side - Black	65¾"	15.15
—	H6605BN	Complete Set Black 6 Pc - 2 Verticals 4 Horizontals	—	59.70
J	H4302274N	Shoppertron Vertical Trim, Satin		12.70

Part Number	Description	Price	Page
26-1151-00	Diaphragm	4.30	261
26-1151-00	Diaphragms	4.30	261
27-1235-00	Start Insert - Small Cup Only	5.00	265
27-1235-01	Start Insert - Large Cup Only	5.00	265
27-1235-02	Start Insert - Dual Cup	5.00	265
27-1255-00	Brewer Rebuild Kit for 203 Machine	104.50	259
27-1256-00	Brewer Rebuild Kit for 850/8050/ 211/211E Machines	92.25	259
27-1257-00	Commodity Valve Rebuild Kit for 203	12.95	261
27-1258-00	Commodity Valve Rebuild Kit for 850/ 8050/2000 Series/211/211E/213/203DC	12.95	261
43-0252-00	Screw, 8-32 x 3/8 HH SCP	.16	–
43-0875-00	Star Lock Washer	.15	–
43-1102-00	Locking Nut	2.40	264
91-3038-00	8050 Bean Grinder Bulb	4.65	265
H00240RM	Plunger Sleeve for Old Style Commodity Valve	11.80	263
H00255RM	Plunger Spring - Old Style Valve	.23	263
H005191RM	Plunger Sleeve O-Ring	.44	263
H00519RM	Valve Sleeve O-Ring Old Style Valve	.54	263
H00522RM	Commodity Valve O-Ring - Old Style Valve	.44	261
H00631RM	Plunger Valve Spring - Old Style Valve	.21	263
H00632RM	Plunger for Old Style Commodity Valve	9.00	263
H11115RM	Clear Hose	.25	–
H11749RM	KEP Nut 8-32	.16	–
H12716RM	Screw, 1/4-20 7-32	.79	–
H12798RM	Brew Chamber Seal	2.40	260
H13085RM	Gasket Piston Support	.57	259
H13253RM	Reservoir Lid	6.15	–
H13290RM	Exhaust Hose	15.65	–
H13839RM	Washer, Special Cylinder	.41	–
H13910RM	Housing & Seal Assembly	5.80	–
H13918RM	Slinger, Whipper Motor	.63	–
H13919RM	Chocolate Housing O-Ring	.77	266
H13999RM	Auger Motor, 90 RPM	58.00	–
H14015RM	850 Thermostat Cover	3.45	–
H14046RM	Steam Deflector	17.00	–
H14094RM	Bulb Cover	4.25	–
H14189RM	Rear Screen	7.45	–
H14349RM	Brew Carriage Wiper Model 850/203DC	2.35	260
H14354RM	Brewer Base Spring	.61	–
H14370RM	Idler Roller	5.05	–
H14372RM	Brew Chamber Old Style Model 850	15.75	260
H14435RM	Spring Brew Chamber	.39	–
H14469RM	Auger Motor, 51 RPM	45.00	–
H14494RM	Rinse Hose Assembly - Gravity Feed	9.95	264
H14531RM	Indicator Lamp Assembly	2.15	–
H14572RM	Pushbutton Cycle Switch	6.35	–
H14759ARM	Commodity Valve O-Ring, Orange	.42	–
H14759RM	Commodity Valve O-Ring - Purple	.64	261
H14780RM	Stainless Steel Roll Pin 1/16” x 1/4” (Minimum Order 4)	.22	–
H14806RM	Screw 8-32 x 3/8 HH SCP	.15	–
H14924RM	Shut Off Valve	8.15	264
H15019RM	Pawl - Brewer Base	2.00	259
H15528RM	Carriage Return Spring	1.90	260
H15675RM	Selector Button Switch	20.10	265
H16012RM	Cup Drop Dispenser, 7 oz.	51.00	–
H16013RM	Dispenser Cup Drop Ring Assembly	51.75	–
H16038RM	Cup Drop Motor	68.45	266
H1605816RM	Nyliner, 8L12F	.87	–
H1605817RM	Nyliner, 8L2FF	.44	–
H160585RM	Nyliner, 12L12FGS	.54	–
H16216RM	Valve Assembly Adapter	10.15	263
H16291RM	Idler Shaft	5.85	–
H16419RM	Push Nut Acorn	.29	–
H16438RM	Nylon Cam Follower	.33	–
H16476RM	Screw Inlet	2.95	–
H16477RM	Gasket Eaton	.87	–
H16721RM	Brew Filter 7/9 oz.	1.90	260
H16723RM	Brew Filter Screen 7/9 oz., 12 oz.	2.45	260
H16724RM	Filter Screen 12 oz.	.89	260
H169291RM	Idler Shaft	5.85	–
H17081RM	Cup Drop Switch	4.90	266
H174041RM	Brew Cable	3.65	259
H17415RM	Screw 1/4-20 X 1/2 HH Washer Faced	.21	–
H17462RM	Toggle Switch	28.05	265
H17521-10RM	Retainer Ring, 7/16	.24	–
H17521-3RM	Retainer Ring, 1/4	.17	–
H17583RM	Brewer Switch	9.95	–
H17898RM	Bottom Brew Funnel	2.95	–
H18678RM	Cover & Guide Selection Panel	7.35	–
H19025RM	Cover Access	7.16	–
H19047RM	Drip Ring	1.75	–
H19114RM	Screw 8-32x3/8 Thumb KN BR NPL Replaces H29140RM	.90	–
H19290RM	Vend Door	14.20	265
H19509RM	Float Switch	16.00	–
H19547RM	Low Watt Heater Protection SW	16.05	–
H19773RM	Cup Station Grill	13.85	265
H20001RM	Float Switch	18.45	–
H20156RM	Circuit Breaker, 3 AMP	22.90	–
H20174RM	Circuit Breaker, 18 AMP	12.75	–
H202770RM	Shelf Divider Extension	6.20	–
H20311RM	Wheel for Commodity Canister	6.25	263
H20344RM	Selector Button New Style	2.00	265
H20403RM	Brewer Kit, Add Hot Water	23.80	–
H20647RM	Canister Lid	5.30	–
H21190RM	Commodity Trough 1 & 3 Position, Loose Ground	8.15	262
H21191RM	Commodity Trough, FD, 1 & 4 Position	9.45	–
H21192RM	Commodity Trough 1 & 5 Position, Freeze Dried	9.60	262
H21287RM	Rinse Hose Assembly - Pressure Feed	11.80	264
H21449RM	Heater - Bolt On	16.95	264
H21684RM	Heater Gasket	2.05	–
H21744RM	Commodity Trough 1 & 4 Position	10.65	262
H21801RM	Tank Heater	42.00	–
H21829RM	Thermostat Cover	4.65	–
H21899RM	Control Thermostat	24.50	264
H22247RM	Diaphragm, N-42 Valve	6.95	–
H222511RM	Canister Seal	2.65	–
H22262RM	Heat Gasket	2.25	–
H22308RM	Tube Assembly	37.70	–
H22414RM	O-Ring	1.75	–
H22519RM	Commodity Trough 13 Select for 850	13.20	262

Part Number	Description	Price	Page
H22564RM	Chocolate Canister Assembly	116.25	–
H22631RM	Tube Assembly: Tea,Coffee,Water	30.95	–
H22737RM	Auger Motor - 180 RPM	70.05	266
H227RM	T-Handle Assembly	25.30	–
H22852RM	Tank Heater (Screw In)	53.55	–
H22900RM	Commodity Trough 1 & 3 Position, Freeze Dried	8.60	262
H22915RM	Fill Tube Assembly	25.60	–
H23027RM	Funnel, Whipper	4.05	267
H23296RM	Coin Return Trim	11.00	265
H23370RM	Index Switch Assembly	7.80	–
H24400018RM	Brew Filter for RMI	2.55	261
H24496RM	Screw	.27	–
H24655RM	Control Thermostat	10.65	264
H25201RM	Control Thermostat	58.00	264
H25776RM	Selection Label Set, White	6.30	–
H25961RM	Spout Canister, No Louvers	4.35	266
H26600095-1AP	Filter Seal Assembly	11.25	260
H266431RM	Spout Canister, Louvered	3.25	266
H26643RM	Spout Canister	3.25	266
H26835RM	Coin Insert Trim	12.95	–
H26895RM	Lock & Cam Assembly	57.85	–
H27034RM	Power Relay	27.00	–
H27175RM	Control Board	577.50	–
H27370RM	Adapter Funnel for Brewer and Commodity Trough	4.40	–
H27435RM	Whipper Seal Inner Housing	1.40	266
H27786RM	Commodity Red Valve Body	8.55	261
H27787RM	Adaptor - Commodity Valve	1.25	261
H27788RM	Adjustment Screw - Commodity Valve w/Seal	3.25	261
H27791RM	Screw Valve Mounting, (Minimum Order 4)	.29	–
H27793RM	Diaphragm	2.25	261
H27883RM	Commodity Rinse Tray Assembly	193.90	–
H27926RM	Brew Funnel Cover - 7/9 oz.	3.25	259
H28020RM	Brew Filter Bracket - 7/9 oz.	6.50	259
H28291RM	Star Lock Washer, Use Part # 43-0875-00	.09	–
H28375RM	Thumper Solenoid	99.15	–
H28406RM	Brew Chamber w/o Seal Model 850/8050/211/211E/203/2000 Series	9.50	260
H28522RM	Manifold Block	82.00	–
H28526RM	Brew Carriage Wiper Model 850/8050/ 2000 Series/211/211E/203	2.75	260
H28614RM	Manifold Bracket	7.80	–
H28667RM	Valve Retainer Bracket	6.60	–
H28733RM	Brewer Valve Spout	8.15	263
H28808RM	Valve Assembly - New Style w/ Red Coils	180.45	264
H28814RM	Dump Valve Bracket	13.80	–
H28825RM	Screw, 6X5/16 PH Type 25 SCP	.15	–
H28909RM	Auger Motor, 170 RPM	61.60	–
H28962RM	Selector Button	1.85	265
H29178RM	Grommet Brake Pad	.31	–
H29372RM	Brew Chamber w/ Seal Model 850/8050/211/211E/203/2000 Series	24.35	260
H29373RM	Brew Carriage Model 850/8050/200 Series/211/211E/203 w/ Wiper	16.95	260
H29436RM	Button Cover Guide	6.25	–
H29481RM	Piston Assembly	25.45	259
H29482RM	Piston Seal	7.50	259
H2955CM	Waste Bucket w/ Handle	6.30	264
H2956RM	Waste Bucket w/o Handle	19.45	264
H29938RM	Vertical Door Edge Trim	20.40	–
H2P24002RM	Service Modular, 710/850/8050	378.90	–
H30329RM	Chocolate Whipper Motor	235.00	266
H30399RM	Vertical Trim	9.70	–
H30596RM	Red Solenoid Coil	9.75	261
H30598RM	Armature and Spring - Commodity Valve	10.75	261
H30721RM	Water Tank	197.85	–
H30724RM	Strap	10.00	–
H30725RM	Bracket Valve Retainer	16.95	–
H30728RM	Thermosink Copper	8.25	–
H30854RM	Brewer Valve Assembly for 203/211/ 211E/8050	41.60	263
H30860RM	Commodity Valve Assembly	38.95	261
H31172RM	Float	7.30	264
H31187RM	Cutter, Rotary And Stationary	113.15	–
H31188RM	Grinder Coupling	15.15	267
H31309RM	Commodity Trough 1 & 5 Position	20.25	262
H31409RM	Bucket Kit	37.00	–
H31801RM	Digital Display Board	106.15	267
H31810RM	8050 Grinder Frame	7.40	–
H32285RM	Brewer Tube Trowel	4.45	–
H32331RM	Float And Rod Assembly Teflon Float / S.S. Rod	34.40	–
H32629RM	Commodity Trough 1 & 2 Position	6.60	262
H32630RM	Commodity Trough 3 Position, Freeze Dried	6.30	262
H32661RM	Specialty Canister Assembly	68.50	–
H32714RM	Brew Cylinder - 7/9 oz.	18.30	259
H32864RM	O-Ring	.98	261
H32865-2RM	Lower Horizontal Trim	7.00	–
H32911RM	Diaphragm	1.95	261
H32911RM	Diaphragms	1.95	261
H33386RM	Canister Assembly, Bean Hopper	97.20	–
H33424RM	Clear Brewer Valve Body	6.45	263
H33475RM	Cheat Switch	5.55	263
H33524RM	Whipper Motor w/o Harness	245.00	266
H33788RM	Spout Cam	23.40	267
H340057AP	Pedestal Artwork for RMI 213	11.95	268
H34091RM	Impellar	.98	–
H34101RM	Molded Coffee Bean Canister	283.60	–
H34106RM	Float	12.85	–
H34219RM	Commodity Chute, 6 Stack	8.40	–
H34365RM	Bezel Assembly, Black	41.00	–
H34385-2RM	GFIC Kit for Model 8050/1400/1435	354.50	267
H34923RMI	Commodity Spout Bracket	10.25	–
H350751RM	Brew Filter 12 oz.	22.95	260
H35077RM	Brew Cylinder - 12 oz.	22.42	259
H35082RM	Filter Screen 12 oz.	2.55	260
H35083RM	Brewer Compression Spring	4.60	–
H35087RM	Brew Chamber 12 oz. w/o Seal Model 203 DC	8.70	260
H35089RM	Brew Filter Bracket - 12 oz.	7.60	259
H35132RM	Whipper Assembly, Wired	225.00	266
H35133RM	Chocolate Whipper Motor Assembly	265.00	264
H351471RM	Brew Carriage Model 213 w/o Wiper	11.80	260

Part Number	Description	Price	Page
H351473RM	Brew Carriage Model 850/8050/200 Series/211/211E/203 w/o Wiper	9.30	260
H35147RM	Brew Carriage Model 203 DC w/o Wiper	10.05	260
H35171RM	Wiper Blade Spacer	2.25	261
H35178RM	Brewer Valve Spout	9.98	263
H35216RM	Brewer Valve Assembly for 203/ 203DC/213	44.85	263
H35267RM	Float	23.25	264
H35279RM	Hot Water Tank Probe	1.35	–
H35377RM	Float Rod	43.65	–
H35504RM	Harness, Soup Water Valve To SGC Whipper	22.80	–
H35602RM	Commodity Trough 3 Position, Specialty Gourmet Coffee	13.75	262
H35883RM	Retainer Clip Spout	4.05	–
H3601661AP	Display Board	219.50	263
H36030RM	Waste Bucket Float Kit	12.60	–
H36038RM	Cup Drop Switch	8.85	266
H36146-1RM	GFIC Kit for Model 211FD	209.55	267
H36147-1RM	GFIC Kit for Model 211LG	235.20	267
H362362RM	Commodity Trough, Right Side, 2 Position	9.45	–
H36236RM	Commodity Trough, 2 Position, Left	11.45	–
H36499RM	Commodity Trough, 5 Position, FD	15.60	–
H36568RM	Dual Spout	38.15	–
H36646RM	Cup Sold Out Switch	8.75	260
H36646RM	Cup Sold Out Switch	8.75	264
H36646RM	Cup Index Switch	8.75	–
H367571RM	Filter Screen 12 oz.	7.15	260
H36772RM	Brew Chamber 12 oz. w/o Seal Model 213	9.70	260
H367771RM	Funnel Assembly	4.10	–
H36784RM	Select Panel Assembly Graphic	93.85	–
H36870RM	Decal Graphics	40.60	265
H36872RM	Commodity Trough 4 Position, Specialty Gourmet Coffee	14.40	262
H36873RM	Commodity Trough 2 Position, Specialty Gourmet Coffee	14.45	262
H36875RM	Commodity Trough 3 Position, 2 Specialty Gourmet Coffee	12.30	262
H36991RM	Commodity Trough 1 & 5 Position, 12 oz.	9.80	262
H37046RM	Adjustable Cup Holder	97.55	–
H37101RM	Label Set	12.85	265
H371861RM	Pawl Brewer Left	1.85	267
H37186RM	Pawl Brewer Right	1.80	267
H37282RM	Brew Carriage Model 213 w/ Wiper	29.60	260
H37283RM	Brew Chamber 12 oz. w/ Seal Model 213	25.80	260
H37471RM	Pedestal Artwork for RMI 213	27.00	268
H37573RM	Brew Chamber 12 oz. w/ Seal Model 203 DC	25.80	260
H37667RM	Brew Carriage Model 203 DC w/ Wiper	10.90	260
H37756RM	Brewer Motor	135.00	266
H37780RM	Blower Motor Assembly w/Brackets	69.95	–
H37867RM	Bracket Whipper Motor	15.20	–
H37925RM	Bracket Assembly	5.80	–
H38035RM	Whipper Support Bar, 5 Space Rack	12.60	–
H38036RM	Whipper Support Bar, 6 Space Rack	12.75	–
H38134-1RM	GFIC Kit for Model 2000LG	295.30	267
H38134RM	GFIC Kit for Model 200FD/850	257.40	267
H38468RM	Flash Guard Kit	11.60	–
H38671RM	Latch For Funnel Assembly	1.85	–
H4266BR	Replacement Trim	5.00	268
H4266IR	Replacement Trim	1.70	268
H440289AP	Coin Return Button - Gray	2.60	265
H440311AP	Plastic Coin Drop	3.55	267
H440329RM	Cup Station Trim	12.85	265
H447414BR	Replacement Trim	1.95	268
H447519BR	Replacement Trim	9.35	268
H447519SR	Replacement Trim	8.15	268
H447523BR	Replacement Trim	7.75	268
H6602313AP	Replacement Trim	7.45	268
H660488AP	Coin Cute Assembly	7.05	267
HP27000023RM	Drain Tube, Silicone, Gray	1.79	262

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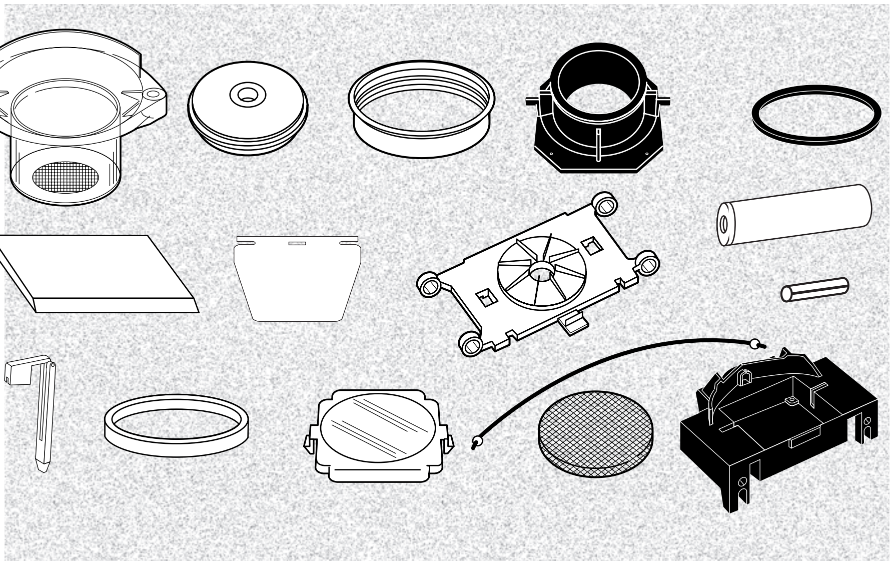
BREWER REBUILD KITS

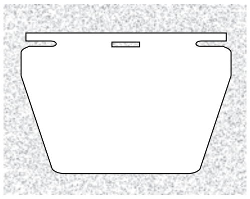


- Ordering made easy with all the high traffic replacement parts needed to rebuild a Brewer Cylinder and Piston Assembly in one simple kit.
- Specific kits for specific machines
- Easy to handle with everything neatly packaged in 1 bag.
- Easy to inventory
- Easy to quickly grab off the shelf and take to a location

Item Number	For Machine Model #	Price per ea.
27-1255-00	RMI 203 Machine, 12 oz.	104.50
27-1256-00	RMI 850/8050/211/211E Machine	92.25

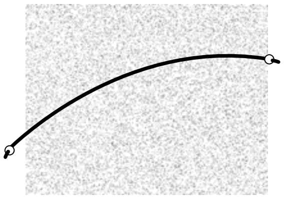
BREW FUNNEL COVER - 7/9 OZ.

H27926RM
3.25



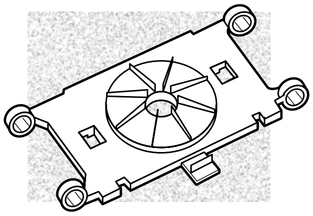
BREW CABLE

H174041RM
3.65



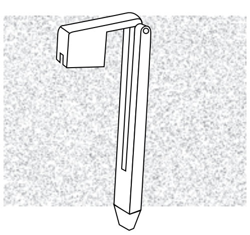
BREW FILTER BRACKET

H28020RM 7/9 oz.		6.50
H35089RM 12 oz.		7.60



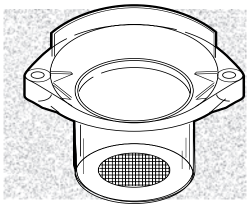
PAWL - BREWER BASE

H15019RM
2.00



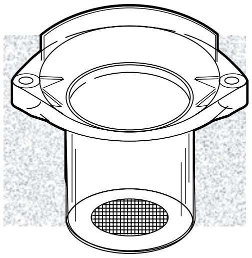
BREW CYLINDER - 7/9 OZ.

850/8050/2000 Series/211/211E/203
H32714RM
18.30



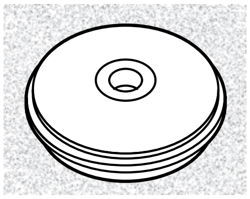
BREW CYLINDER-12 OZ.

213/203DC/203
H35077RM
22.42



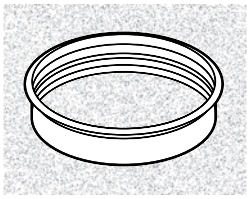
PISTON ASSEMBLY

H29481RM
25.45



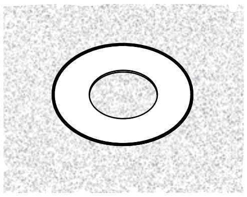
PISTON SEAL

H29482RM
7.50

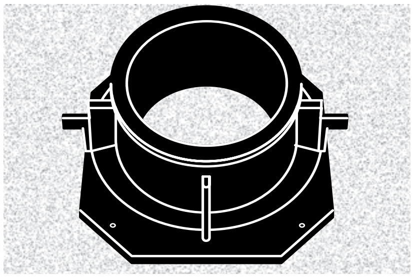


GASKET PISTON SUPPORT

H13085RM
.57

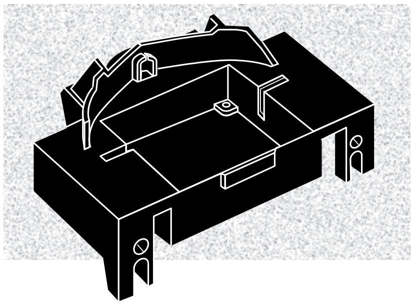


BREW CHAMBER



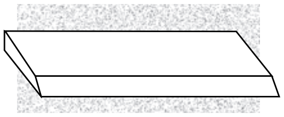
Part Number	Model Machine	Description	Price per ea.
H14372RM	850	Old Style 7/9 oz	15.75
H28406RM	850/8050/211/211E/203/2000 Series	7/9 oz	9.50
H29372RM	850/8050/211/211E/203/2000 Series	7/9 oz w/Seal	24.35
H35087RM	203 DC	12 oz	8.70
H37573RM	203 DC	12 oz w/Seal	25.80
H36772RM	213	12 oz	9.70
H37283RM	213	12 oz w/Seal	25.80

BREW CARRIAGE



Part Number	Model Machine	Description	Price per ea.
H351473RM	850/8050/200 Series/211/211E/203	w/o Wiper	9.30
H29373RM	850/8050/200 Series/211/211E/203	w/ Wiper	16.95
H35147RM	203 DC	w/o Wiper	10.05
H37667RM	203 DC	w/ Wiper	10.90
H351471RM	213	w/o Wiper	11.80
H37282RM	213	w/ Wiper	29.60

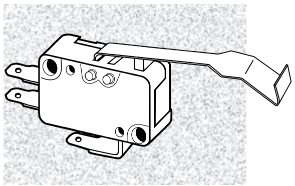
BREW CARRIAGE WIPER



Part Number	Model Machine	Price
H14349RM	850/203DC	2.35
H28526RM	850/8050/2000 Series/211/ 211E/203	2.75

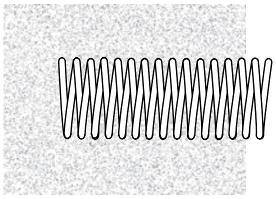
CUP SOLD OUT SWITCH

H36646RM
8.75



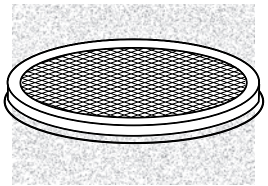
CARRIAGE RETURN SPRING, 13"

H15528RM
1.90



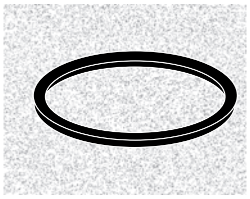
FILTER SEAL ASSEMBLY

H26600095-1AP
11.25



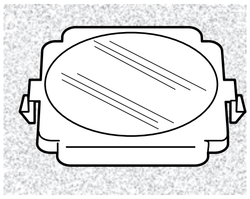
BREW CHAMBER SEAL

H12798RM
2.40



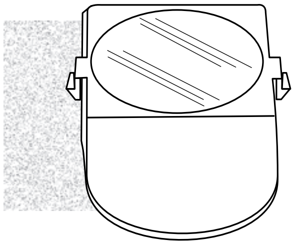
BREW FILTER

H16721RM	7/9 oz.	1.90
H350751RM	12 oz.	22.95



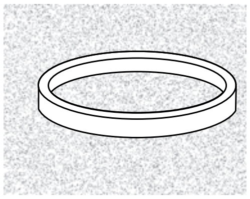
FILTER SCREEN

H367571RM - Black, 12 oz.   7.15



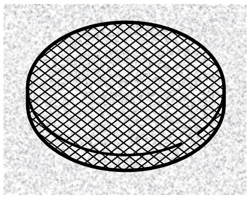
BREW FILTER SEAL

H16724RM	7/9 oz.	.89
H35082RM	12 oz.	2.55

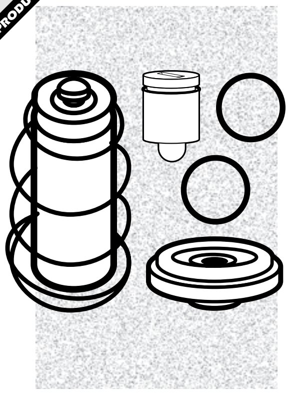


BREW FILTER SCREEN

H16723RM - 7/9 oz.
H35081RM - 12 oz.
2.45

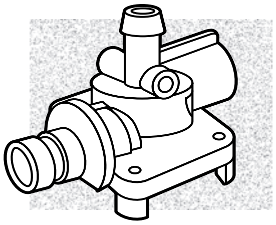


COMMODITY VALVE REBUILD KITS

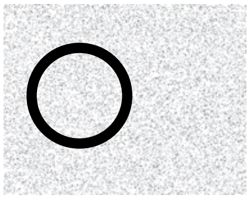


Part Number	Model Machine	Price
27-1257-00	For 203	12.95
27-1258-00	For 850/8050/ 2000 Series/211/ 211E/213/203DC	12.95

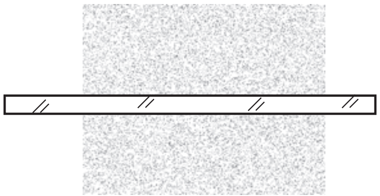
COMMODITY RED VALVE BODY
H27786RM
8.55



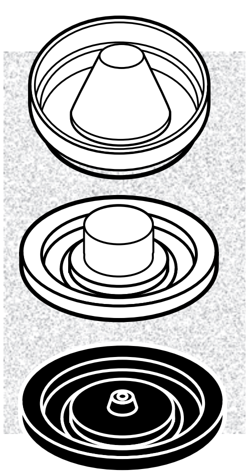
O-RING
H32864RM
.98



WIPER BLADE SPACER
2-1/4" Plastic - 203/203DC
H35171RM
2.25

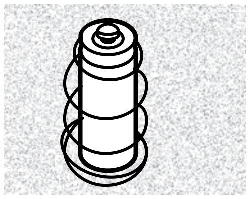


DIAPHRAGMS

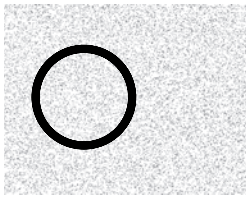


Part Number	Price per ea.	L/10
H32911RM	1.95	1.65
H27793RM	2.25	1.95
26-1151-00	4.30	4.05

ARMATURE AND SPRING - COMMODITY VALVE
H30598RM
10.75

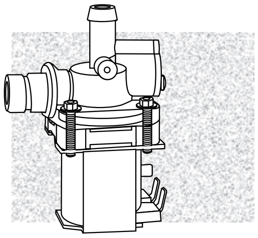


COMMODITY VALVE O-RING - PURPLE
H14759RM
.64

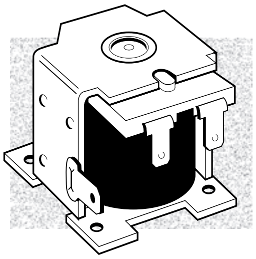


COMMODITY VALVE O-RING - OLD STYLE VALVE
H00522RM
.44

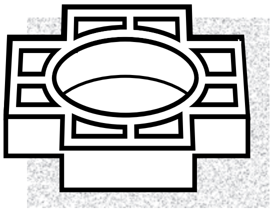
COMMODITY VALVE ASSEMBLY
H30860RM Red Coil 38.95



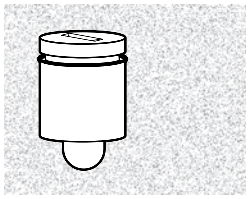
RED SOLENOID COIL
H30596RM
9.75



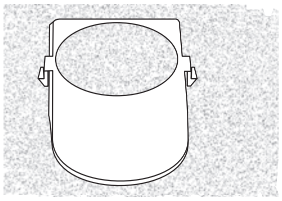
ADAPTOR - COMMODITY VALVE
H27787RM
1.25



ADJUSTMENT SCREW - COMMODITY VALVE W/SEAL
H27788RM
3.25

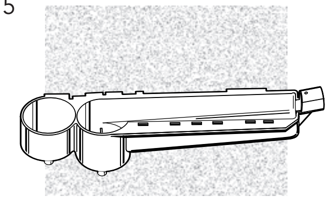


BREW FILTER FOR RMI
H24400018RM
2.55

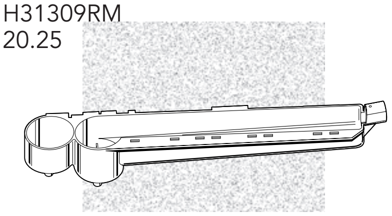


COMMODITY TROUGHS

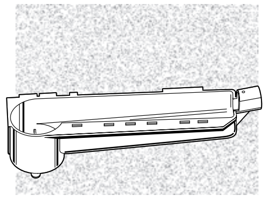
1 & 3 POSITION, LOOSE GROUND
For RMI Series 211/211E/2000 machines
H21190RM
8.15



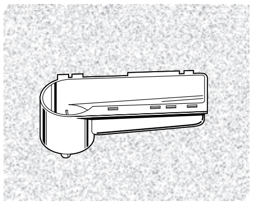
1 & 5 POSITION
For RMI Series 8050LG, DH, G/203 LG, DH, G, DG, DGLG LG
H31309RM
20.25



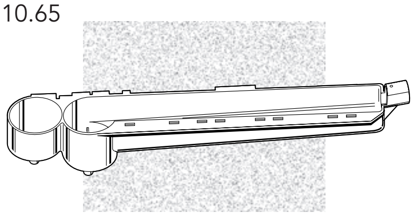
3 POSITION, SPECIALTY GOURMET COFFEE
For RMI Series 213/203DC
H35602RM
13.75



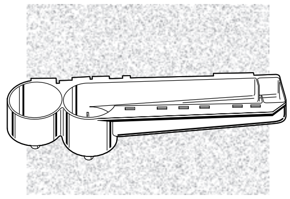
2 POSITION, SPECIALTY GOURMET COFFEE
For RMI Series 213/203DC,FD,FB
H36873RM
14.45



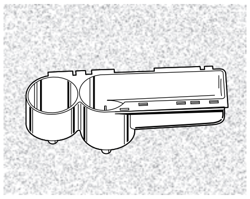
1 & 4 POSITION
For 850
H21744RM
10.65



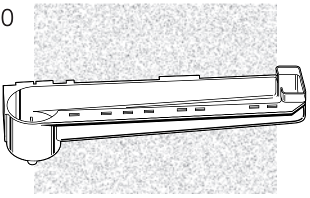
1 & 3 POSITION, FREEZE DRIED
For 211E
H22900RM
8.60



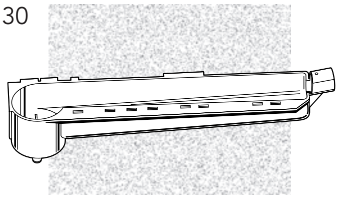
1 & 2 POSITION
For RMI Series 213/203DC, FB, FD
H32629RM
6.60



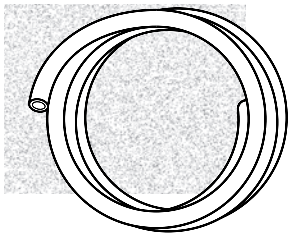
4 POSITION, SPECIALTY GOURMET COFFEE
For RMI Series 213/203DC
H36872RM
14.40



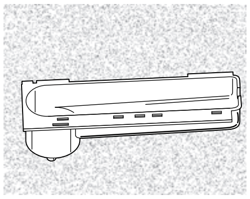
4 POSITION, 2 SPECIALTY GOURMET COFFEE
For RMI Series 213/203DC4 position FB,LG
H36875RM
12.30



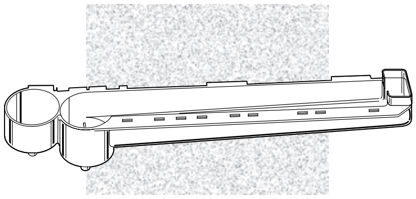
DRAIN TUBE, SILICONE, GRAY
5/16” ID x 1/2” OD FDA Approved
Sold Per Ft.
HP27000023RM
1.79



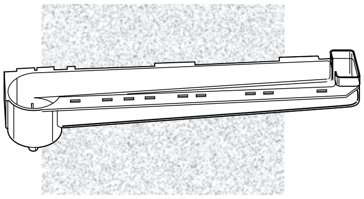
3 POSITION, FREEZE DRIED
For RMI 213/203DC machines
H32630RM
6.30



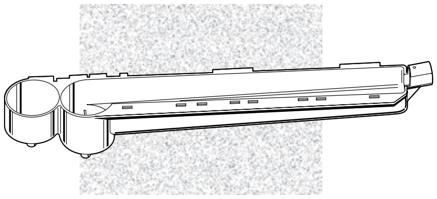
1 & 5 POSITION, FREEZE DRIED
For 8050/203/213/203DC
H21192RM
9.60



13 SELECT FOR 850
H22519RM
13.20

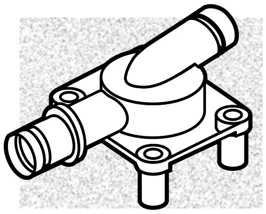


1 & 5 POSITION, 12 0Z.
For RMI Series 213/203DC
H36991RM
9.80

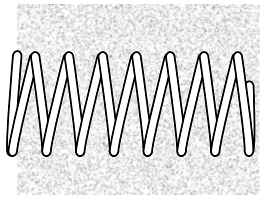


BREWER VALVE BODY

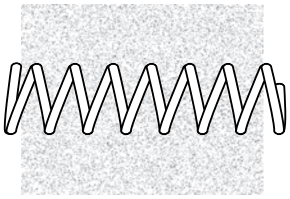
H33424RM	Clear	6.45
H27786RM	Red	8.55



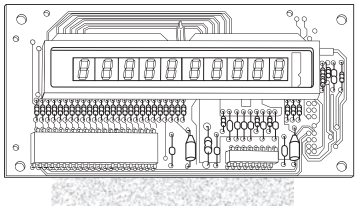
PLUNGER VALVE SPRING - OLD STYLE VALVE
H00631RM
.21



PLUNGER SPRING - OLD STYLE VALVE
H00255RM
.23

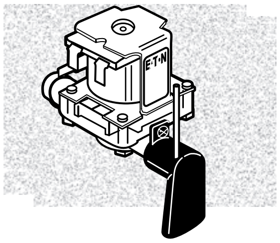


DISPLAY BOARD
H3601661AP
219.50



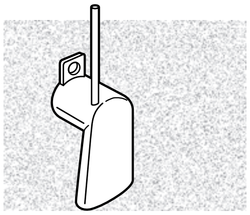
BREWER VALVE ASSEMBLY

H30854RM	203/211/211E/8050	41.60
H35216RM	203/203DC/213	44.85

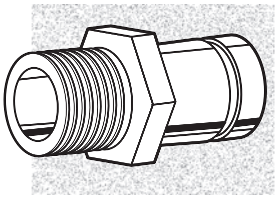


BREWER VALVE SPOUT

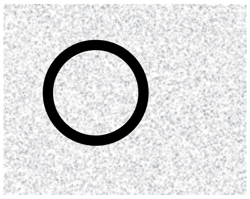
H28733RM	7/9 oz.	8.15
H35178RM	12 oz.	9.98



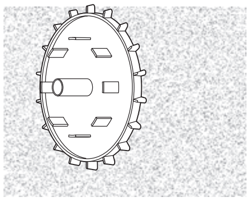
VALVE ASSEMBLY ADAPTER
For 850/2000 Series/211/211E Machines
H16216RM
10.15



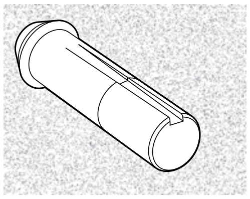
PLUNGER SLEEVE O-RING
H005191RM
.44



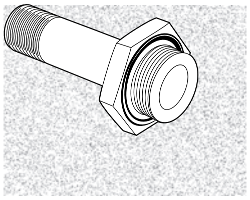
WHEEL FOR COMMODITY CANISTER
H20311RM
6.25



PLUNGER FOR OLD STYLE COMMODITY VALVE
H00632RM
9.00

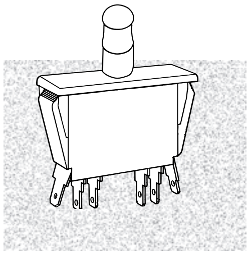


PLUNGER SLEEVE FOR OLD STYLE COMMODITY VALVE
H00240RM
11.80

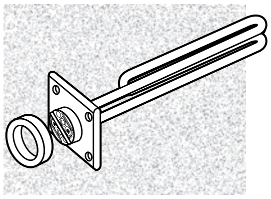


VALVE SLEEVE O-RING OLD STYLE VALVE
H00519RM
.54

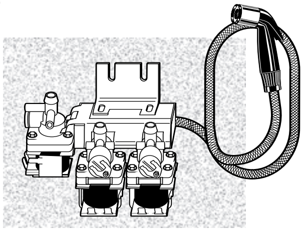
CHEAT SWITCH
For Grinder Motor
H33475RM
5.55



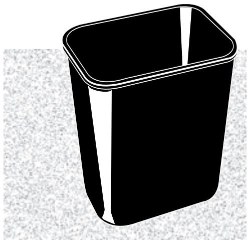
HEATER - BOLT ON
H21449RM
16.95



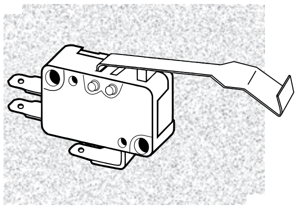
VALVE ASSEMBLY - NEW STYLE W/RED COILS
H28808RM
180.45



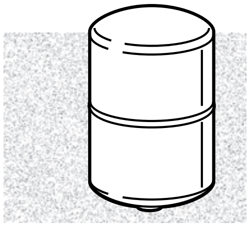
WASTE BUCKET W/O HANDLE
H2956RM
19.45



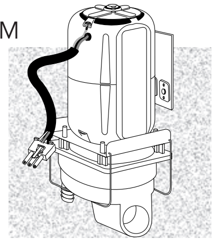
CUP SOLD OUT SWITCH
H36646RM
8.75



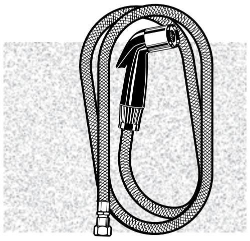
FLOAT
Teflon
H35267RM
23.25



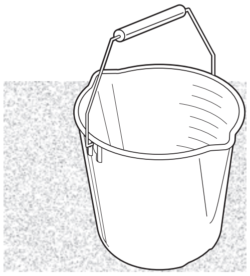
CHOCOLATE WHIPPER MOTOR ASSEMBLY
Less Funnels
Used on 203DC / 203 Hot Drink machines
H35133RM
265.00



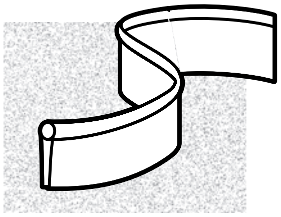
RINSE HOSE ASSEMBLY
H21287RM - Pressure Feed - 11.80
H14494RM - Gravity Feed - 9.95



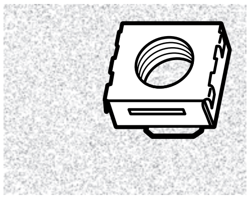
WASTE BUCKET W/HANDLE
H2955CM
6.30



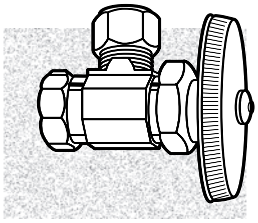
TANK GASKET
H31172RM
7.30



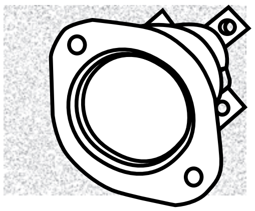
LOCKING NUT
Ref #17592
43-1102-00
2.40



SHUT OFF VALVE
For 850/8050/203/213/203 DC
H14924RM
8.15

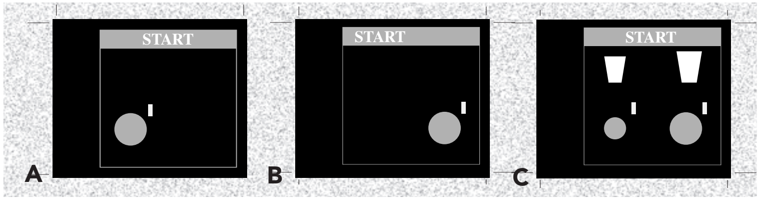


CONTROL THERMOSTAT



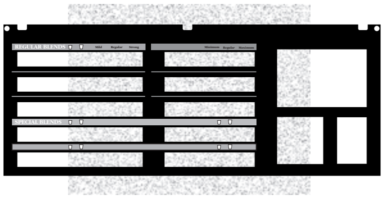
Part Number		Price
H21899RM	180°	24.50
H24655RM	190°	10.65
H25201RM	180°	58.00

START INSERT
For 213 coffee machines

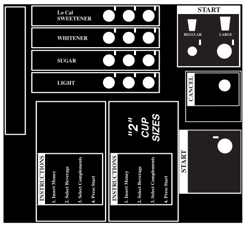


Part Number	Key	Description	Price per ea.
27-1235-00	A	Start Insert, Small Cup Only	5.00
27-1235-01	B	Start Insert, Large Cup Only	5.00
27-1235-02	C	Start Insert, Dual Cup Only	5.00

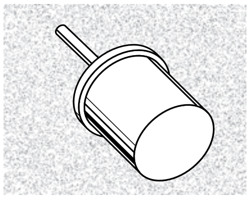
DECAL GRAPHICS
For 213 coffee machines
H36870RM
40.60



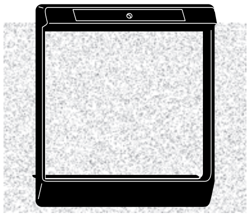
LABEL SET
For 213 machines
H37101RM
12.85



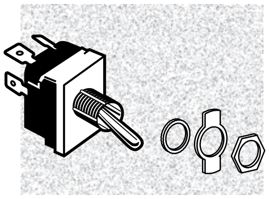
COIN RETURN BUTTON, GRAY
For 203/211/211E/213/203DC
H440289AP
2.60



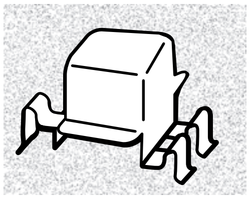
CUP STATION TRIM
H440329RM
12.85



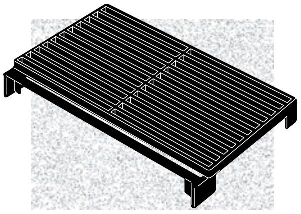
TOGGLE SWITCH
49-0005-00
28.05



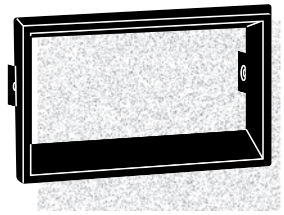
SELECTOR BUTTON
H28962RM
1.85



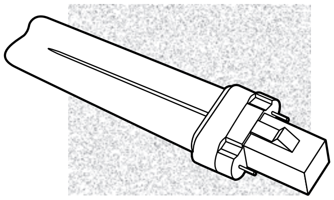
CUP STATION GRILL
H19773RM
13.85



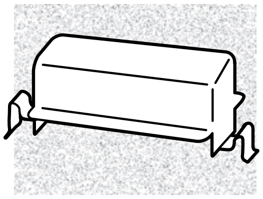
COIN RETURN TRIM
H23296RM
11.00



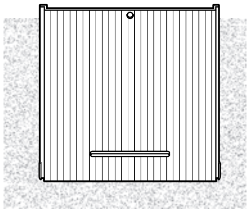
8050 BEAN GRINDER BULB
91-3038-00
4.65



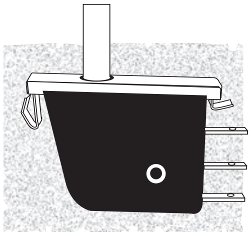
SELECTOR BUTTON
H20344RM - New Style -2.00



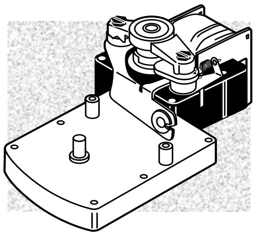
VEND DOOR
H19290RM
14.20



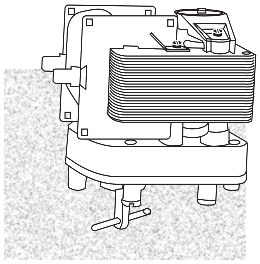
SELECTOR BUTTON SWITCH
H15675RM
20.10



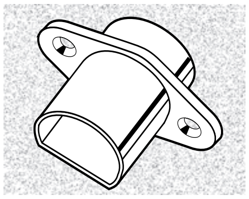
CUP DROP MOTOR
For 850/8050/211/211E/203/213/203DC
H16038RM
68.45



AUGER MOTOR - 180 RPM
For 203/213/850/8050
H22737RM
70.05



SPOUT CANISTER
For 850/8050/2000 Series
211/211E/203/213/203DC
H26643RM
3.25



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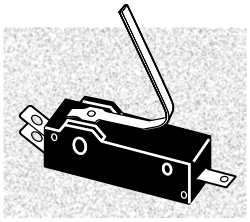
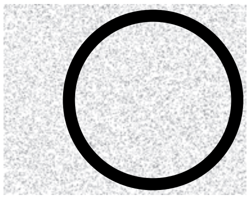
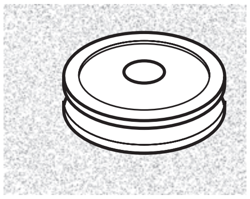
CUP DROP SWITCH
For 850/8050/211/211E/203
H17081RM
4.90



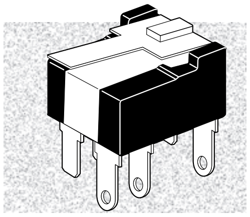
CHOCOLATE HOUSING O-RING
H13919RM
.77



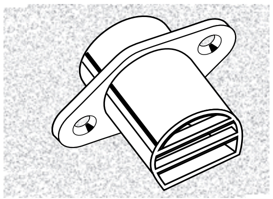
WHIPPER SEAL INNER HOUSING
For 8050/211/211E/203/213/203DC
H27435RM
1.40



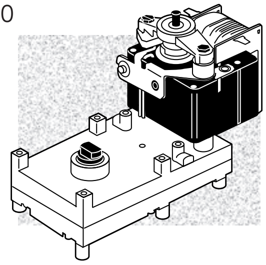
CUP DROP SWITCH
H36038RM
8.85



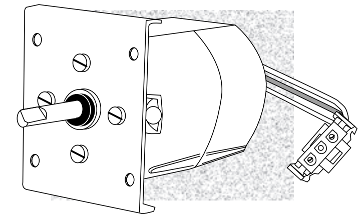
SPOUT CANISTER, LOUVERED
For 211/211E/203
H266431RM
3.25



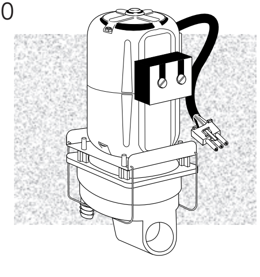
BREWER MOTOR
Old Ref No. 17365, 35252
H37756RM
135.00



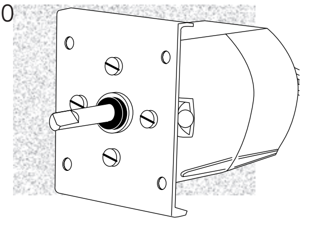
CHOCOLATE WHIPPER MOTOR
H30329RM
235.00



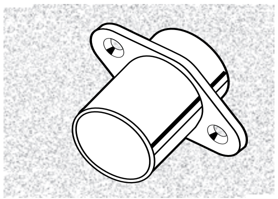
WHIPPER ASSEMBLY, WIRED
For 213/203
H35132RM
225.00



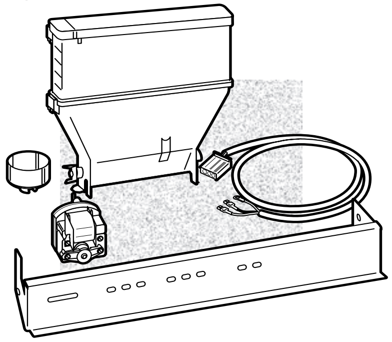
WHIPPER MOTOR
Motor Only
Adapter Harness not included
H33524RM
245.00



SPOUT CANISTER, NO LOUVERS
Soup, Soluble Gourmet
For 211E/213/203DC
H25961RM
4.35



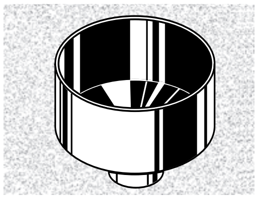
GFIC KIT



Model Machine	Part Number	Price Per Ea.
8050/1400/1435	H34385-2RM	354.50
211FD	H36146-1RM	209.55
211LG	H36147-1RM	235.20
200FD/850	H38134RM	257.40
2000LG	H38134-1RM	295.30

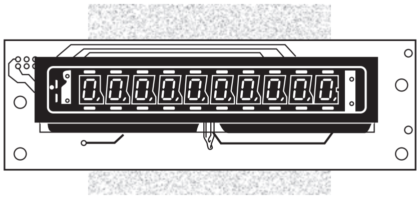
FUNNEL, WHIPPER

Soup/Sugar #1 Mixing Bowl Position
For 213/203DC
H23027RM
4.05



DIGITAL DISPLAY BOARD

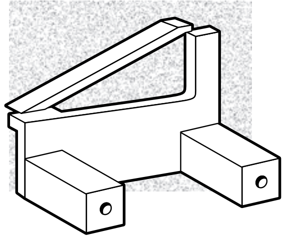
For 203/213/203DC
H31801RM
106.15



PAWL BREWER

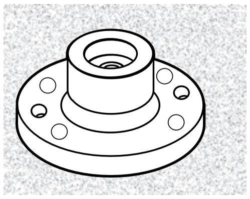
For 213 Machines

H371861RM	Pawl Brewer, Left	1.85
H37186RM	Pawl Brewer, Right	1.80



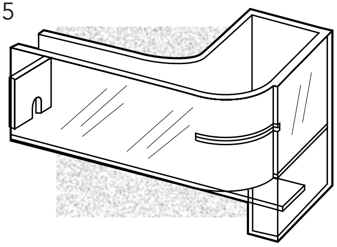
GRINDER COUPLING

For 8050/203DC/213 Machines
H31188RM
15.15



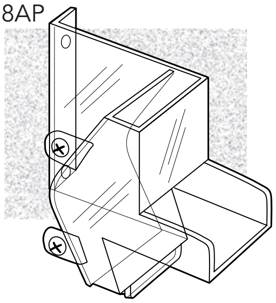
PLASTIC COIN DROP

For 211/211E/203/213/203DC
H440311AP
3.55



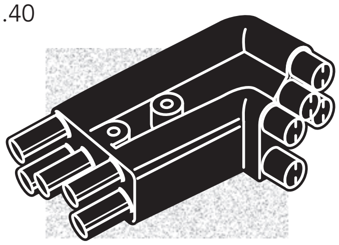
COIN CHUTE ASSEMBLY

Water Resistant
For 213/203DC Machines
H660488AP
7.05



SPOUT CAM

H33788RM
23.40



HAPP CONTROLS SELLS BRAND NAME QUALITY

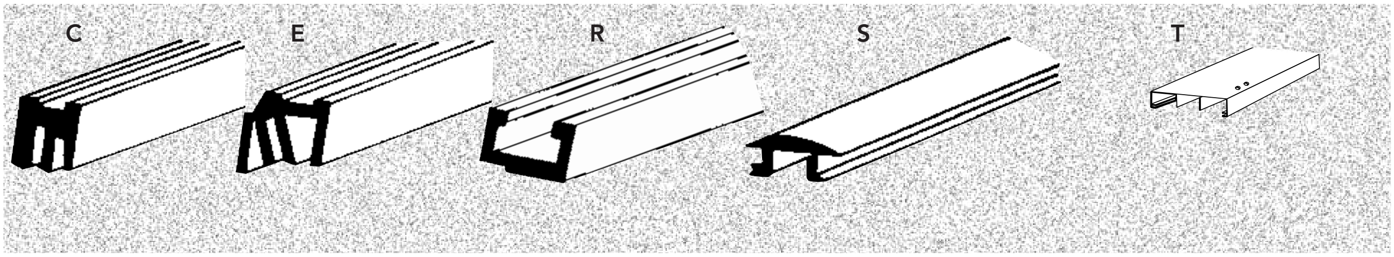
WESCO Industrial Products, Inc.
ZIPPY
Master Lock
KROY
Lynde-Ordway
S.E.M. inc.
PĀP-R Products
MAGLINER Route Distribution Solutions
OLSSON TERGO CLEANING TECHNOLOGY
LOCTITE
mei
FEDERAL LOCK
DURACELL
Campbell
KEP
OETIKER
MAG LITE
WD-40
Diamond/Xcelite
CHERRY
Embraco
Stevens
HAPP CONTROLS
Escort
Ardac
Camie
EAGLE
portasol P-1
American Lock Company
KLOPP INTERNATIONAL, INC.
MAGNER
AZKOYEN
molex
ITW Devcon
ROYAL VENDORS
CashCode
KESTER
Dixie-Narco
COOPER Bussmann
3M
HUBBELL Wiring Device Division
INSTANT KRAZY GLUE
TRIPP-LITE POWER PROTECTION
RAYOVAC
NORTECH
EVERPURE
BladeSmith
Weller/Ungar
Weller
CONLUX
Wiss
Plumb
Lectro Truck STAIR CLIMBING SYSTEM
GATOR GRIP UNIVERSAL SOCKET
MAG II 20
VELCRO BRAND FASTENING SYSTEMS
Xcelite
IMONEX
EVEREADY
KEY-BAK DIV. OF WEST COAST CHAIN MFG. CO.
GEMINI THE ORIGINAL CONVERTIBLE HAND TRUCK
ADVANCE TRANSFORMER CO.
Crescent
Jutro COMPANY

COFFEE MACHINE OVERLAY

- Rich graphics improves the appeal for drinking a cup of coffee
- For RMI machines

Part Number	Description	Size	Price per ea.
H37471RM	Pedestal Artwork, for RMI 213	23-1/2" x 16-3/4"	27.00

REPLACEMENT TRIM



R.M.I. 850, NEW STYLE

Item Key	Part Number	Description	Length	Price per ea.
C	H6602313AP	Outside Horizontal Trim, Satin	33-1/2"	7.45
E	H340057AP	Outside Vertical Trim, Satin	65-5/8"	11.95

R.M.I. COFFEE, OLD STYLE

Item Key	Part Number	Description	Length	Price per ea.
R	H447523BR	Vertical Side Black	66"	7.75
S	H447414BR	Vertical Insert Black	66"	1.95
R	H4266BR	Horizontal Black	40"	5.00
S	H4266IR	Horizontal Insert Black	40"	1.70
T	H447519SR	Horizontal Header Satin	40"	8.15
T	H447519BR	Horizontal Header Black	40"	9.35

Part Number	Description	Price	Page
–	Shelf Liners	_	275
–	448 Price Inserts	_	276
–	448 Shelf Liners	_	276
–	Replacement Trim	_	277
27-1001-00	9 Watt Condensor Motor	27.20	275
27-1048-00	Momentary Switch	4.05	279
27-1053-00	Model OBA Rebuilding Kit	40.60	273
27-1204-00	Model BA-50 Deluxe Rebuilding Kit	81.15	273
27-1205-00	Model BA-50 standard Rebuilding Kit	32.00	273
27-1206-00	Model CBA-II Rebuilding Kit	37.50	273
27-1276-00	Price Insert .40/.45	3.15	279
27-1277-00	Price Insert .50/.55	3.15	279
27-1278-00	Price Insert .60/.65	3.15	279
27-1279-00	Price Insert .70/.75	3.15	279
27-1280-00	Price Insert .80/.85	3.15	279
27-1324-00	BC1200 "Tokens" Decal	11.15	272
27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	15.65	272
27-1326-00	BC1200 "Tokens" Overlay	15.65	272
27-1576-00	Price Inserts for 4900 Snack machine	3.95	279
35083004	Lower Track	8.25	–
42-3324-00	Hamilton Upgrade Kit without Validator	219.40	271
42-3346-00	BC100 Upgrade Kit without Validator	346.35	271
42-3347-00	SBC2/4 Upgrade Kit without Validator	326.30	271
42-3348-00	National Changertron Upgrade Kit without Validator	257.95	271
42-3355-00	BC1200 Upgrade Kit without Validator	232.90	271
42-3464-00	Ardac A9000 Upgrade Kit without Validator	226.85	271
42-3503-00	BC1200 Upgrade Kit without Validator	273.85	271
42-3519-00	Hamilton Upgrade Kit without Validator	219.40	271
42-3520-00	National Changertron Upgrade Kit without Validator	257.95	271
42-7350-00	BC11 Upgrade Kit without Validator	204.80	271
42-7350-700	BC11 Upgrade Kit with Validator	558.95	271
42-7351-00	BC12 Upgrade Kit without Validator	209.95	271
42-7351-700	BC12 Upgrade Kit with Validator	561.45	271
42-7352-00	BC20/25/25MC Upgrade Kit without Validator	204.80	271
42-7352-700	BC20/25/25MC Upgrade Kit with Validator	561.47	271
42-7464-00	BC9 Upgrade Kit without Validator	486.50	271
42-7464-700	BC9 Upgrade Kit with Validator	926.05	271
42-7465-00	BC1 Upgrade Kit without Validator	229.95	271
42-7465-700	BC1 Upgrade Kit with Validator	671.40	271
42-8090-00	BC35 Upgrade Kit without Validator	208.90	271
42-8090-500	BC35 Upgrade Kit with Validator	534.70	271
42-8090-700	BC35 Upgrade Kit with Validator	561.45	271
42-8188-00	BC3500 Upgrade Kit without Validator	541.80	271
42-8192-00	BC20/25/25MC Upgrade Kit without Validator	257.95	271
42-8192-700	BC20/25/25MC Upgrade Kit with Validator	716.60	271
42-8195-00	BC11 Upgrade Kit without Validator	268.45	271
42-8195-700	BC11 Upgrade Kit with Validator	716.60	271
42-8196-00	BC12 Upgrade Kit without Validator	273.85	271
42-8196-700	BC12 Upgrade Kit with Validator	719.95	271
42-8197-00	BC35 Upgrade Kit without Validator	257.95	271
49-0474-00	Black Pica Vinyl, Sold Per Foot	5.00	272
95-0407-00	Interlock Switch	2.00	275
95-0733-01	Delivery Door Switch	.92	275
H0031946R	Timing Belt	6.95	273
H0031956R	Timing Belt	6.95	273
H1121806R	Drive Motor	49.10	279
H1471822R	Warning Light Relay	15.70	–
H1471830R	Motor Start Relay	21.40	–
H167R	BC12 $1 & $5 Instruction Decal	19.95	272
H1693R	BC8/9/20/25 $1 & $5 Overlay	22.15	272

Part Number	Description	Price	Page
H170R	BC11/12 $1 & $5 White On Clear Overlay	12.30	272
H1715R	BC11/12 $1 & $5 Overlay, Black	18.55	272
H20251757R	Photo Detector and Terminal Assembly	27.95	274
H21083601R	Spring For BC1200	1.65	–
H25076002R	Magnetic Head	24.10	273
H25076801R	Single Roller	5.95	273
H25166801-1R	Deluxe Quick Change Lamp Assembly	6.90	274
H25166801R	Changer Lamp Assembly	4.90	274
H25175701R	Photodetector Board	24.70	–
H25192902R	Timing Pulley, 22 Tooth	3.60	–
H25194901R	Output Idler Roller	4.00	–
H25213502R	Short Shaft Sleeve	2.15	–
H25236302R	Photoconductive Cell	9.80	273
H25244101R	Upper Shaft & Pulley	8.45	273
H27023902R	Hopper Brush	7.40	274
H3011710R	Service Transport Switch	4.40	–
H30702R	Foam Block	3.70	–
H30783403R	Stacker Motor	201.00	–
H3118012R	Agitator Motor	88.80	279
H35049102R	Hopper Motor	86.05	274
H35074329R	$1 & $5 Change Decal	14.80	272
H35074329R	$1 & $5 Change Decal	14.80	274
H35074331R	BC35 Change Decal	11.15	272
H35080501R	Roller Assembly	22.80	273
H35080801R	Drive Shaft Assembly	19.90	–
H35082001R	Timing Belt	4.75	273
H35082005R	Timing Belt	5.85	273
H35082601R	Pressure Roller Spring	1.65	–
H35113601R	Drive Shaft Assembly	23.75	273
H35114501R	Shaft & Pulley	19.70	273
H35114901R	Upper Belt, Drive	6.75	273
H35116902R	Door For BC1200	26.55	–
H35118501R	Harness and Bracket Assembly	46.75	274
H35118601R	Drive Belt Black	4.35	273
H35118901R	Legend	6.50	274
H35121501R	Bracket For BC1200	4.60	–
H4061534R	Cold Control	58.95	–
H4081904R	Flavor & Price Selection Label Kit	36.90	–
H410R	Price Label Set	5.00	279
H4214503R	Transport Motor Switch, Half Cycle	12.55	–
H4471869R	Main Door Interlock Switch	6.50	–
H4476539R	Delivery Door Kit, With Bar	141.40	–
H447CLBR	Shelf Liners	.25	275
H447CLRR	Shelf Liners	.25	275
H447CLWR	Shelf Liners	.25	275
H447PLRR	Shelf Liners	.25	275
H447PLWR	Shelf Liners	.25	275
H4481028R	Drive Shaft & Bearing Assembly	61.55	–
H4481033R	Housing Plate & Bearing Assy.	27.10	–
H4481201R	Evaporator Assembly	382.50	–
H44812210R	Compressor	423.30	–
H4481228R	35 Watt Condensor Fan Motor	122.00	278
H4481232R	Screen Weld Assembly	60.30	–
H4481241R	Start Relay, Compressor	46.95	278
H44812427R	Light Assembly, Press Select	13.35	–
H4481243R	Compressor Support Valve	30.60	275
H44812806R	Latch Link Rivet Assembly	7.00	–
H4481427R	Delivery Door - 4"	7.95	276
H4481428R	Delivery Door - 5"	8.95	276
H448142-KIT1	Delivery Door & Runner Kit	133.80	276
H448142-KIT2	Delivery Door & Runner Kit	86.05	276
H4481561R	Delivery Door Switch	3.25	–
H4481571R	Health Timer	31.95	278
H4481591R	Coin Door Interlock Switch	9.28	278
H4481820R	Delivery Door Switch	6.30	275

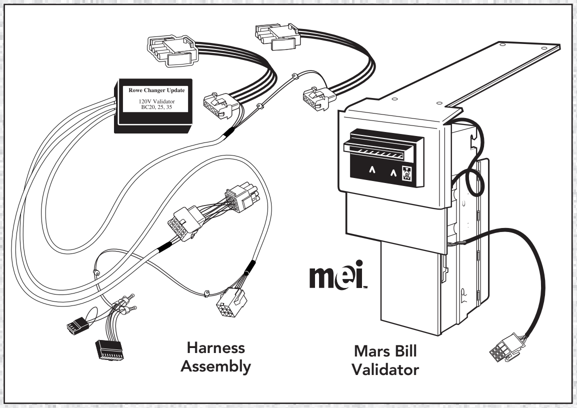
Part Number	Description	Price	Page
H4481829R	Cold Control	19.35	278
H4481832R	Evaporator Motor	20.50	275
H4481833R	Evaporator Motor Fan Blade - Aluminum	5.05	278
H4481840R	Blower Motor Heater	19.40	278
H4481867R	Lock Bar Switch	8.15	276
H4481871R	Door Open Latch Solenoid	35.50	278
H4481876R	Transport Motor - New Style	213.70	276
H4481886R	Blower Motor Assembly	65.85	275
H448222R	Rowe Fan Blade	12.40	–
H448226R	Condensing Fan Shroud	11.75	278
H4482602R	Split Shelf Assembly 5' New Style	26.15	276
H4484544R	Blower Motor	10.15	275
H4484589R	Brake Kit - Transport Motor	31.25	278
H448491R	Door Runner Molding	3.25	–
H448492R	Door Stop	.88	–
H448510R	Interlock 4"	1.20	278
H448511R	Interlock 5"	1.46	278
H448513R	Door Spring	1.95	275
H448575R	Door Support Leg	16.75	278
H448600R	Platter Shelf	12.50	276
H4486025R	Door Runner Kit	7.60	276
H4486043R	Zero Position Switch	14.00	276
H448625R	Red LED Lens	1.70	–
H45034102R	Hopper Drive Motor	55.05	273
H45034204R	Beveled Agitator	2.75	274
H45034205R	Coin Agitator - Gray	2.65	274
H45052901R	Harness and Bracket Assembly	105.75	274
H45058607R	Transport Motor	75.00	–
H45059803R	Head Harness and Holder Assembly	146.55	274
H45073001R	PCB Interconnect Board Assembly	43.60	274
H45073101R	Head & Holder Assembly	132.60	–
H45076101R	PCB Assembly, LED Holder	28.05	274
H45077201R	Timing Belt - High Friction	6.30	273
H451R	Shopper Button Overlay	5.30	–
H4901725R	Product Motor	18.45	279
H49027R	Helix Hub	1.85	–
H49042R	Bushing	.93	–
H4905R	Shelf Roller	.57	279
H4906027R	Door Leg Kit	33.25	–
H4931865R	Product Motor	14.55	279
H52621286R	Door Interlock Switch	8.10	–
H5481815R	Blower Motor Assembly	173.00	275
H5481817R	Delivery Door Switch	5.85	–
H5481854R	Lock Bar Solenoid & Diode Assy.	92.48	–
H5481857R	Door Latch Solenoid	27.55	278
H59301913R	Price Card Assortment, $.25 - $4.00	36.75	–
H65067501R	Inlet Bill Upper	4.15	274
H70035314R	LED Lamp	2.55	273
H70073613R	Circuit Breaker	9.35	–
H70146004R	Bearing Nyliner	.72	273
H70146006R	Nyliner Bearing	.53	–
H70146021R	Nyliner Bearing	.71	–
H9072057R	Incorrect Position Label	1.85	–
H907926R	Door Open Label	1.50	–
H9281725N	Door Gasket	8.80	279
H9300427R	Trim	14.90	–

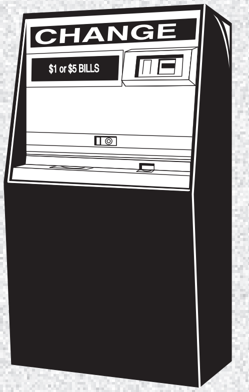
HAPP CONTROLS SELLS BRAND NAME QUALITY

WESCO
ZIPPY
Master Lock
KROY®
Lynde-Ordway
S.E.M. inc.
PĀP-R Products
MAGLINER® Route Distribution Solutions
TERGO
LOCTITE®
mei
FEDERAL LOCK
DURACELL®
Campbell®
KEP
OETIKER®
MAG LITE®
Stevens
WD-40
Diamond®/Xcelite®
CHERRY®
Embraco
HAPP CONTROLS
Escort
Ardac®
Camie
EAGLE
portasol® P-1
AMERICAN LOCK®
KLOPP INTERNATIONAL, INC.
ROYAL VENDORS
KESTER®
AZKOYEN
molex
ITW Devcon®
CashCode®
Dixie-Narco®
COOPER Bussmann
3M
HUBBELL® Wiring Device Division
INSTANT KRAZY GLUE
RAYOVAC®
NORTECH
EVERPURE®
TRIPP-LITE POWER PROTECTION
Weller®/Ungar®
BladeSmith®
Wiss®
Plumb®
LectroTruck™ STAIR CLIMBING SYSTEM
Weller®
CONLUX
MAG II 20
VELCRO® BRAND FASTENING SYSTEMS
Xcelite
IMONEX™
EVEREADY®
KEY-BAK DIV. OF WEST COAST CHAIN MFG. CO.
GEMINI® THE ORIGINAL CONVERTIBLE HAND TRUCK
ADVANCE TRANSFORMER CO.
Crescent®
Dutro COMPANY

BILL CHANGER UPGRADE KITS

- Upgrade your Ardac, Rowe, Hamilton and National Changetron to accept $1, $2, $5 or $1, $2, $5, $10, $20
- The Mars AE Series Validator used with these kits has a 700 bill upstacker
- Mars validators allow high acceptance of all bills
- Can be directly replaced with any Mars VN-2501, AE-2400 or AE-2600 Series validator
- Changer is still able to accept coins
- The complete kit replaces the transport and bill stacker with a 120vac validator
- Wiring harness interfaces with the Mars AE and VN validators
- Takes about 30 minutes to install on location
- No cutting or dri)lling needed





Rowe BC35 Bill Changer

Bill Changer Upgrade Kits with Mars AE Series Validator Included (700 Bill Upstacker)

Part Number	Description	Accepts	Price per ea.
42-7465-700	Rowe BC1	$1, $2, $5, $10, $20	671.40
42-7464-700	Rowe BC9	$1, $2, $5, $10, $20	926.05
42-7350-700	Rowe BC11	$1, $2, $5	558.95
42-8195-700	Rowe BC11	$1, $2, $5, $10, $20	716.60
42-7351-700	Rowe BC12	$1, $2, $5	561.45
42-8196-700	Rowe BC12	$1, $2, $5, $10, $20	719.95
42-7352-700	Rowe BC20/25/25MC	$1, $2, $5	561.47
42-8192-700	Rowe BC20/25/25MC	$1, $2, $5, $10, $20	716.60
42-8090-700	Rowe BC35	$1, $2, $5	561.45

Bill Changer Upgrade Kits with Mars VN Series Validator Included (500 Bill Upstacker)

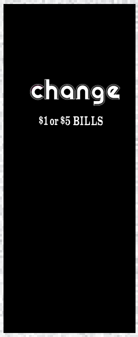
Part Number	Description	Accepts	Price per ea.
42-8090-500	Rowe BC35	$1, $2, $5	534.70

Bill Changer Upgrade Kits with Validator Sold Separately

(Note: A validator must be used with all kits)

Part Number	Description	Accepts	Suggested Mars Validator (Sold Separately)	Happ No. For Validator	Price per ea.
42-3464-00	Ardac A9000	$1, $2, $5	AE-2451-U7E	42-2054-00	226.85
42-3324-00	Hamilton	$1, $2, $5, $10, $20 With Hopper Dispenser	AE-2611-U7E	42-7310-00	219.40
42-3519-00	Hamilton	$1, $2, $5, $10, $20 With Tube Dispenser	AE-2611-U7E	42-7310-00	219.40
42-3348-00	National Changetron	$1, $2, $5, $10, $20 With 2 Payout Drums	AE-2611-U7E	42-7310-00	257.95
42-3520-00	National Changetron	$1, $2, $5, $10, $20 With 4 Payout Drums	AE-2611-U7E	42-7310-00	257.95
42-7465-00	Rowe BC1	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	229.95
42-7464-00	Rowe BC9	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	486.50
42-7350-00	Rowe BC11	$1, $2, $	AE-2451-U7E	42-2054-00	204.80
42-8195-00	Rowe BC11	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	268.45
42-7351-00	Rowe BC12	$1, $2, $5	AE-2451-U7E	42-2054-00	209.95
42-8196-00	Rowe BC12	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	273.85
42-7352-00	Rowe BC20/25/25MC	$1, $2, $5	AE-2451-U7E	42-2054-00	204.80
42-8192-00	Rowe BC20/25/25MC	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-8090-00	Rowe BC35	$1, $2, $5	AE-2451-U7E	42-2054-00	208.90
42-8197-00	Rowe BC35	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	257.95
42-3346-00	Rowe BC100	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	346.35
42-3355-00	Rowe BC1200	$1, $2, $5	AE-2451-U7E	42-2054-00	232.90
42-3503-00	Rowe BC1200	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	273.85
42-8188-00	Rowe BC3500	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	541.80
42-3347-00	Rowe SBC2/4	$1, $2, $5, $10, $20	AE-2611-U7E	42-7310-00	326.30

OVERLAYS FOR ROWE BILL CHANGERS



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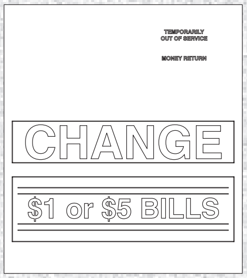

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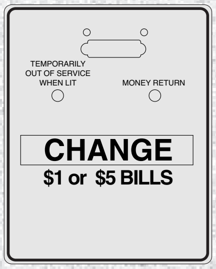

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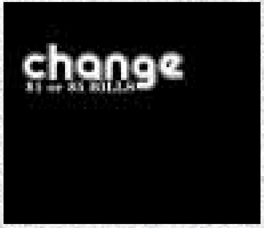

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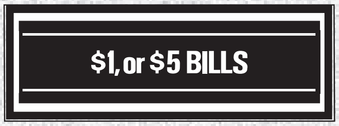

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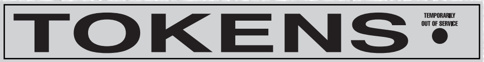

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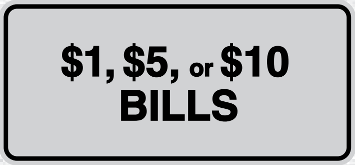

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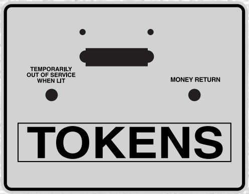

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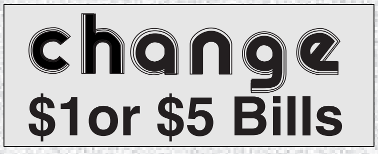
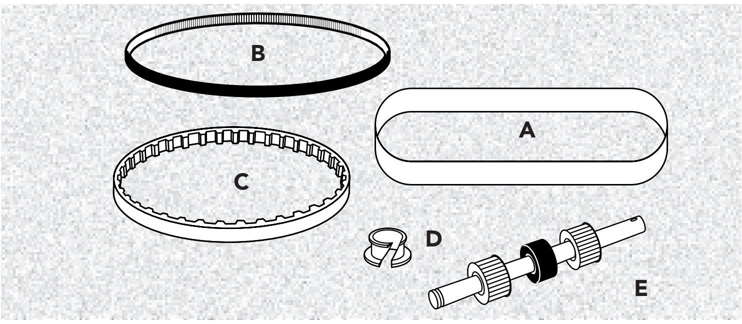


I

Item Key	Part Number	Description	Price per ea.
A	H1715R	BC11/12 $1 & $5 Overlay, Black	18.55
B	H170R	BC11/12 $1 & $5 White On Clear Overlay	12.30
C	H167R	BC12 $1 & $5 Instruction Decal	19.95
D	H1693R	BC8/9/20/25 $1 & $5 Overlay	22.15
E	H35074331R	BC35 Change Decal	11.15
F	27-1324-00	BC1200 "Tokens" Decal	11.15
G	27-1325-00	BC1200 $1, $5 or $10 Bill Overlay	15.65
H	27-1326-00	BC1200 "Tokens" Overlay	15.65
I	H35074329R	$1 & $5 Change Decal	14.80
	49-0474-00	Black Pica Vinyl, Sold Per Foot (For use with A&E overlays)	5.00

MODEL OBA REBUILDING KIT

Part Number		Price per ea.
27-1053-00	Model OBA Rebuilding Kit For 4900, BC-1, Some Phonographs	40.60

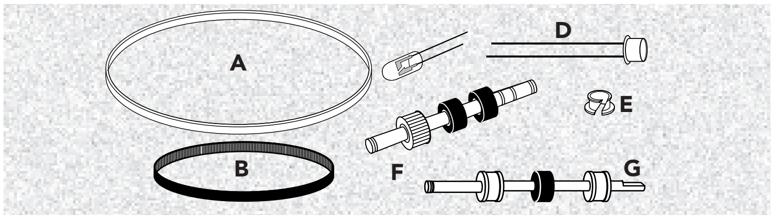


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35118601R	Drive Belt Black	2	4.35
B	H45077201R	Timing Belt – High Friction	2	6.30
C	H35082001R	Timing Belt	1	4.75
D	H70146004R	Bearing – Nyliner	4	.72
E	H35080501R	Roller Assy.	1	22.80

MODEL BA-50 DELUXE REBUILDING KIT

Part Number		Price per ea.
27-1204-00	Model BA-50 Deluxe Rebuilding Kit	81.15

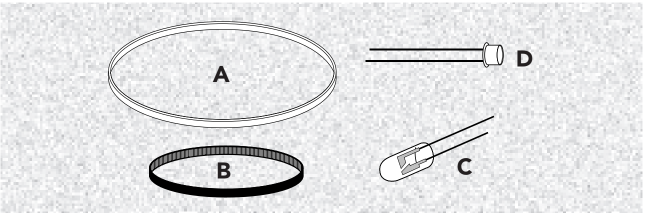


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	6.75
B	H35082005R	Timing Belt	2	5.85
C	H70035314R	LED Lamp	1	2.55
D	H25236302R	Photoconductive Cell	2	9.80
E	H70146004R	Bearing Nyliner	4	.72
F	H35114501R	Shaft & Pulley, (Front Roller)	1	19.70
G	H35113601R	Drive Shaft Assembly, (Lower Roller)	1	23.75

MODEL BA-50 STANDARD REBUILDING KIT

Part Number		Price per ea.
27-1205-00	Model BA-50 Standard Rebuilding Kit	32.00

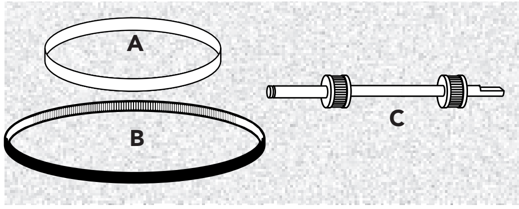


Rebuilding Kit Includes: (All parts are also sold separately)

Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H35114901R	Upper Belt, Drive	2	6.75
B	H35082005R	Timing Belt	2	5.85
C	H70035314R	LED Lamp, Green	1	2.55
D	H25236302R	Photoconductive Cell	2	9.80

MODEL CBA-II REBUILDING KIT

Part Number		Price per ea.
27-1206-00	Model CBA-II Rebuilding Kit For 448E/548/648/4900/5900	37.50

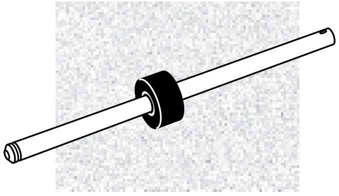


Rebuilding Kit Includes: (All parts are also sold separately)

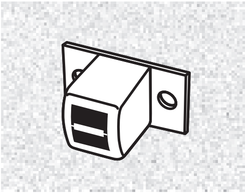
Item Key	Number	Description	Qty. Incl.	Price per ea.
A	H0031956R	Timing Belt	2	6.95
B	H0031946R	Timing Belt	2	6.95
C	H25244101R	Upper Shaft & Pulley	1	8.45

SINGLE ROLLER
H25076801R
5.95

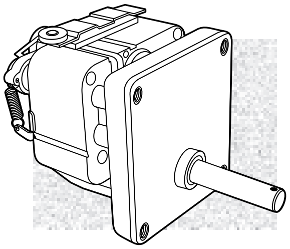
- New Polyurethane Wheels last longer



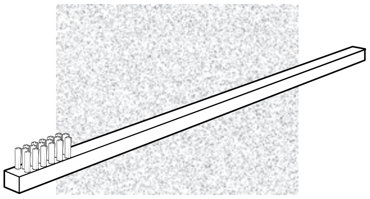
MAGNETIC HEAD
H25076002R
24.10



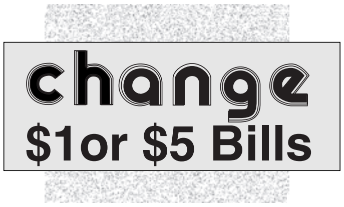
HOPPER DRIVE MOTOR
H45034102R
55.05



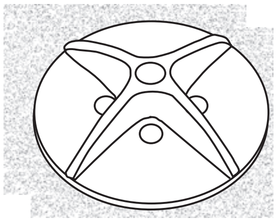
HOPPER BRUSH
H27023902R
7.40



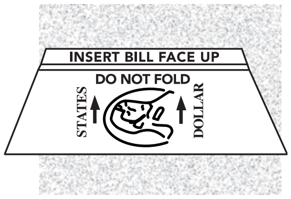
$1 & $5 CHANGE DECAL
H35074329R
14.80



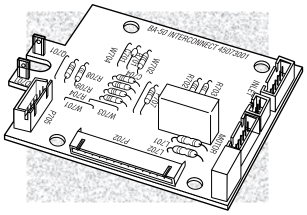
COIN AGITATOR
H45034205R Gray 2.65



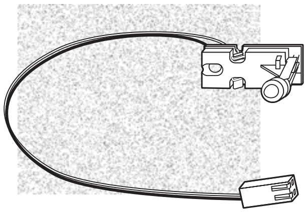
LEGEND
H35118901R
6.50



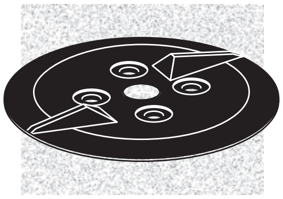
PCB INTERCONNECT BOARD ASSEMBLY
H45073001R
43.60



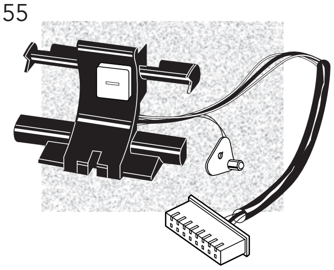
PCB ASSEMBLY, LED HOLDER
H45076101R
28.05



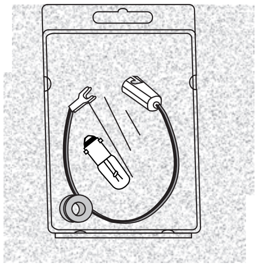
BEVELED AGITATOR - BLACK
H45034204R
2.75



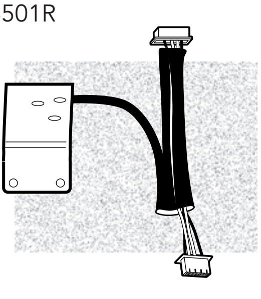
HEAD HARNESS AND HOLDER ASSEMBLY
For OBA Old Ref # 4-50598-01
H45059803R
146.55



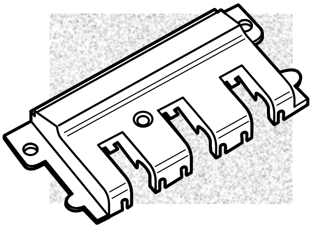
DELUXE QUICK CHANGE LAMP ASSEMBLY
H25166801-1R
6.90



HARNESS AND BRACKET ASSEMBLY
H35118501R
46.75



INLET BILL-UPPER
H65067501R
4.15



CHANGER LAMP ASSEMBLY
H25166801R
4.90

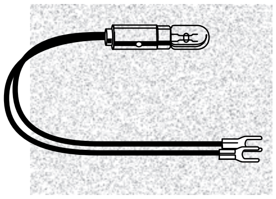
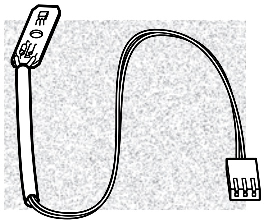
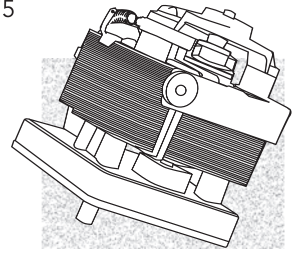


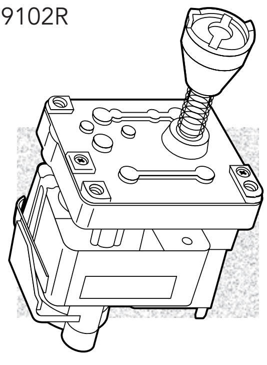
PHOTO DETECTOR AND TERMINAL ASSEMBLY
H20251757R
27.95



STACKER MOTOR
H45052901R
105.75



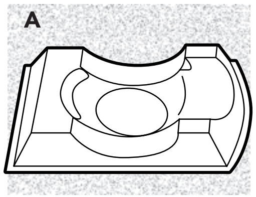
HOPPER MOTOR
H35049102R
86.05

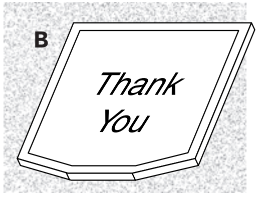


448/448E/448E2/548/648 COLD FOOD

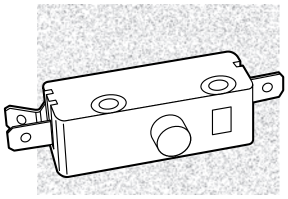
ROWE 447 SHELF LINERS

Part Number		Key	Color	Price per ea.	L/1000
H447CLRR	Can & Fruit Holder	A	Red	.25	.22
H447CLWR	Can & Fruit Holder	A	White	.25	.22
H447CLBR	Can & Fruit Holder	A	Blue	.25	.22
H447PLRR	Pocket Liner	B	Red	.25	.22
H447PLWR	Pocket Liner	B	White	.25	.22

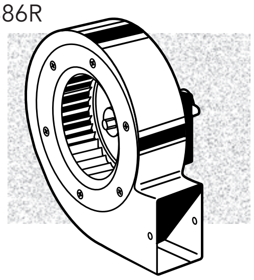




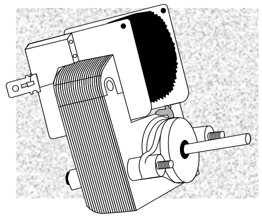
INTERLOCK SWITCH
Ref. #448-12837
For 448/448E Machines
95-0407-00
2.00



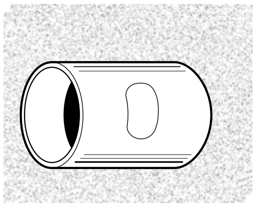
BLOWER MOTOR ASSEMBLY
For 448/448E/448E2/548/648
Machines
H44818886R
65.85



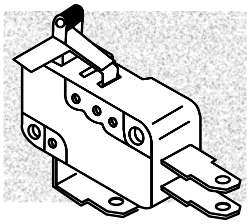
EVAPORATOR MOTOR
For 448/448E/448E2 Machines
H4481832R
20.50



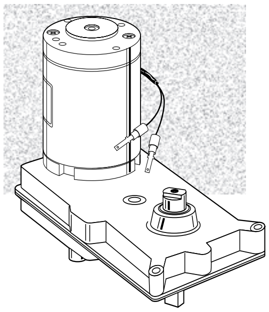
DOOR SPRING
For All Machines
H448513R
1.95



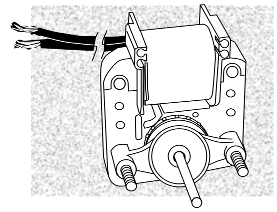
DELIVERY DOOR SWITCH
For 448 Machine
H4481820R
6.30



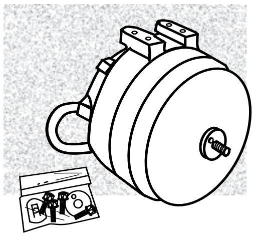
548 TRANSPORT MOTOR
H5481815R
173.00



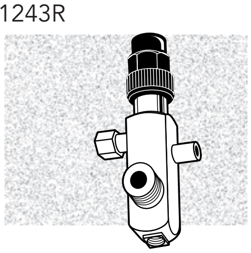
BLOWER MOTOR
For 448/448E/448E2/548/648
Machines
H4484544R
10.15



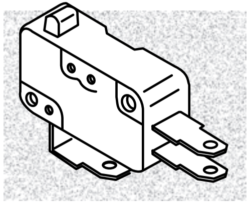
9 WATT CONDENSOR MOTOR
27-1001-00
27.20



COMPRESSOR SUPPORT VALVE
For 448/448E/448E2 Machines
H4481243R
30.60



DELIVERY DOOR SWITCH
(Rowe Ref.#H4481819R)
For 448 Machine
95-0733-01
.92



Visit Our Web Site:
for *NEW* Product Updates!!

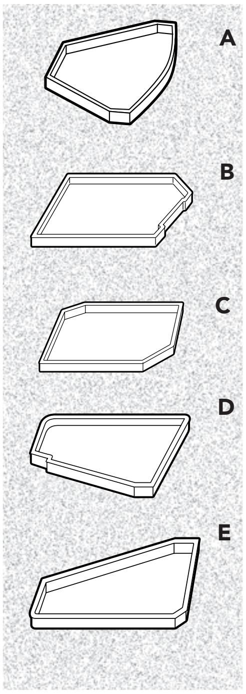
448/448E/448E2/548/648 COLD FOOD

ROWE 448 SHELF LINERS

Part Number		Key	Color	Price per ea.	L/800
H448PLRR	Platter Liner	A	Red	.56	.49
H448PLWR	Platter Liner	A	White	.49	.44
H448PLBR	Platter Liner	A	Blue	.49	.44
H448PLBKR	Platter Liner	A	Black	.49	.44

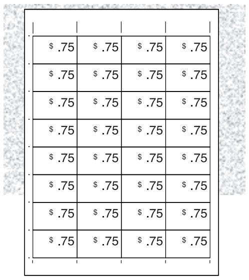
Part Number		Key	Color	Price per ea.	L/700
H448TLWR	Top Liner	B	White	.29	.25
H448TLBR	Top Liner	B	Blue	.29	.25
H448BLWR	Bottom Liner	C	White	.27	.23
H448BLBR	Bottom Liner	C	Blue	.27	.23

Part Number		Key	Color	Price per ea.	L/750
H448LLRR	Left Liner	D	Red	.25	.21
H448LLWR	Left Liner	D	White	.23	.20
H448LLBR	Left Liner	D	Blue	.23	.20
H448LLBKR	Left Liner	D	Black	.21	.20
H448RLRR	Right Liner	E	Red	.25	.21
H448RLWR	Right Liner	E	White	.22	.19
H448RLBR	Right Liner	E	Blue	.24	.21
H448RLBKR	Right Liner	E	Black	.24	.21



PRICE INSERTS

For 448 machines



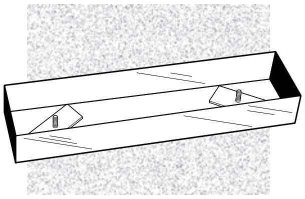
$ .75	$ .75	$ .75	$ .75
$ .75	$ .75	$ .75	$ .75
$ .75	$ .75	$ .75	$ .75
$ .75	$ .75	$ .75	$ .75
$ .75	$ .75	$ .75	$ .75
$ .75	$ .75	$ .75	$ .75
$ .75	$ .75	$ .75	$ .75
$ .75	$ .75	$ .75	$ .75

- Clear insert with black numbers
- 11/4 H x 2" W
- 32 per sheet, equates to 12.5 cents ea.
- Strong durable plastic

Part Number	Label	Price
27-1213-00	.50	3.45
27-1214-00	.55	3.45
27-1215-00	.60	3.45
27-1216-00	.65	3.45
27-1135-00	.75	3.45
27-1138-00	.90	3.45
27-1130-00	.95	3.45
27-1139-00	1.00	3.45
27-1140-00	1.25	3.45
27-1141-00	1.50	3.45
27-1142-00	1.75	3.45
27-1143-00	2.00	3.45
27-1144-00	2.25	3.45
27-1145-00	2.50	3.45
27-1146-00	2.75	3.45
27-1147-00	3.00	3.45
27-1152-00	1.55/1.60/1.65/1.70	3.45

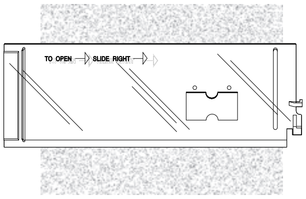
CONDENSATION PAN

For 448/448E Machines
H4486043R
14.00



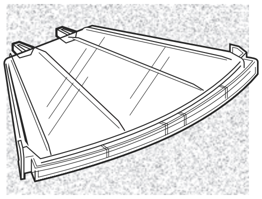
DELIVERY DOOR

For 448/448E/448E2/548/648 Machines
4” - H4481427R 7.95
5” - H4481428R 8.95



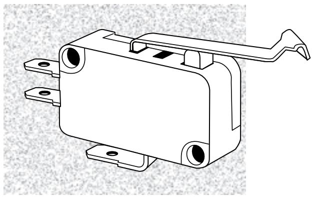
PLATTER SHELF

For 448/448E/448E2/548/648 Food Machines
H448600R
12.50



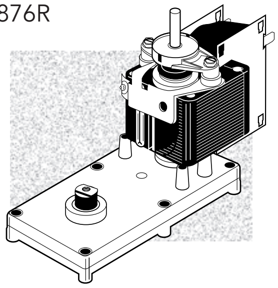
LOCK BAR SWITCH

H4481867R
8.15



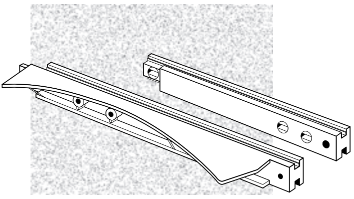
TRANSPORT MOTOR - NEW STYLE

For 448/448E/448E2 Machines
H4481876R
213.70



DOOR RUNNER KIT

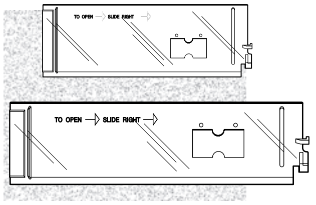
For 448/448E/448E2/548/648 Machines
H4486025R
7.60



DELIVERY DOOR & RUNNER KIT

For Rowe 448 Food Machine

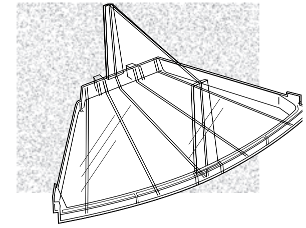
H448142-KIT1	Doors & Runners	133.80
H448142-KIT2	Doors Only	86.05



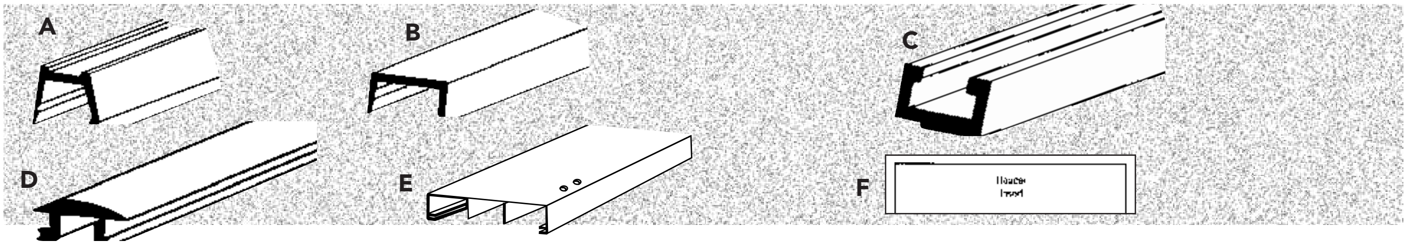
SPLIT SHELF ASSEMBLY

For 448/448E/448E2 Food Machines

H4482602R	5” New Style	26.15



REPLACEMENT TRIM



NEW STYLE ROWE TRIM

Item Key	Part Number	Description	Length	Price per ea.
A	H983101SR	New Style Vertical Satin	65 5/16″	6.90
	H983101BR	New Style Vertical Black	65 5/16″	7.15
B	H983220SR	New Style Horizontal Satin	38 3/8″	3.70
	H983220BR	New Style Horizontal Black	38 3/8″	4.15
	H983200BR	New Style Inside Vertical Black	48 3/4″	6.90

ROWE TRIM AWARD STYLE
FOR 147 THRU 488E2 COLD FOOD • 548 GLASS FRONT • ICE CREAM • MILK

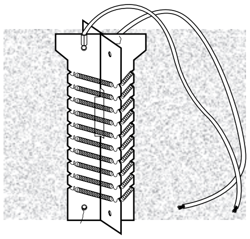
Item Key	Part Number	Description	Length	Price per ea.
C	H447523BR	Vertical Side Black	66″	7.75
D	H447414BR	Vertical Insert Black	66″	1.95
C	H4266SR	Horizontal Satin	40″	5.00
C	H4266BR	Horizontal Black	40″	5.00
D	H4266IR	Horizontal Insert Black	40″	1.70
E	H447519SR	Horizontal Header Satin	40″	8.15
E	H447519BR	Horizontal Header Black	40″	9.35
F	H447525MR	Header Insert Metal	40″	3.50

HAPP CONTROLS SELLS BRAND NAME QUALITY

448/448E/448E2/548/648 COLD FOOD

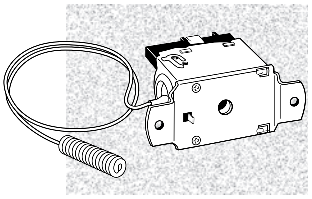
BLOWER MOTOR HEATER

H4481840R
19.40



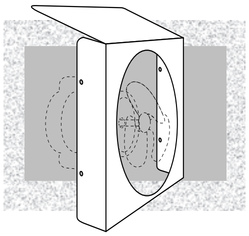
HEALTH TIMER

For 448E/448E2
H4481571R
31.95



CONDENSING FAN SHROUD

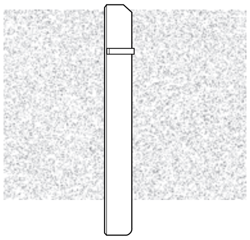
For 448/448E Machines
H448226R
11.75



INTERLOCK

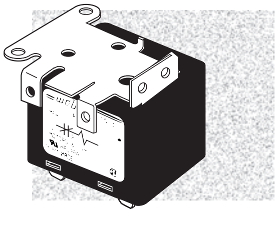
For 448/448E/448E2/548/648

H448510R	4"	1.20
H448511R	5"	1.46



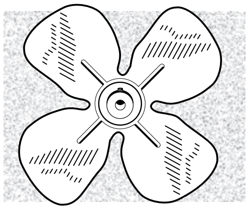
START RELAY, COMPRESSOR

For 448E/448E2
H4481241R
46.95



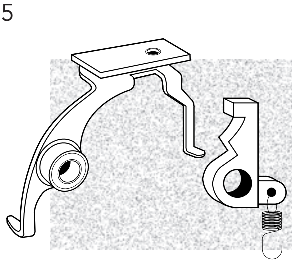
EVAPORATOR MOTOR FAN BLADE - ALUMINUM

H4481833R
5.05



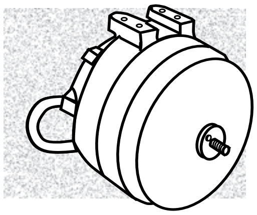
BRAKE KIT - TRANSPORT MOTOR

H4484589R
31.25



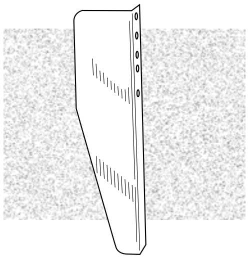
35-WATT CONDENSOR FAN MOTOR

For 448/448E/448E2 Machines
H4481228R
122.00



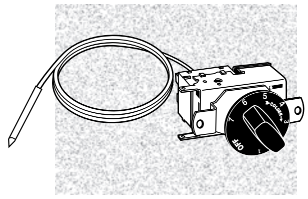
DOOR SUPPORT LEG

For 448/448E/448E2/548/648
H448575R
16.75



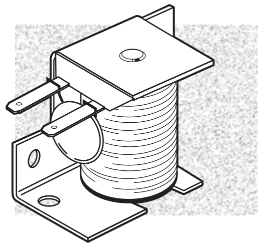
COLD CONTROL

For 448/448E Machines
H4481829R
19.35



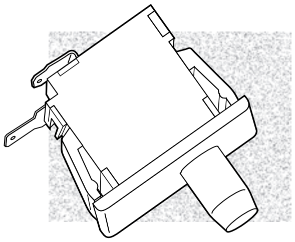
DOOR OPEN LATCH SOLENOID

For 448 Food Machine
H4481871R
35.50



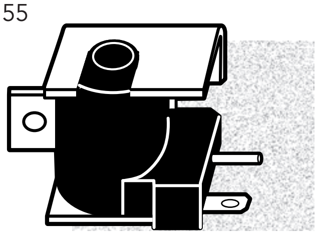
COIN DOOR INTERLOCK SWITCH

For 448E/448E2/548/648 Food Machines
H4481591R
9.28



DOOR LATCH SOLENOID

For 548/648 Food Machines
H5481857R
27.55



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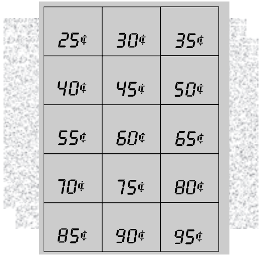
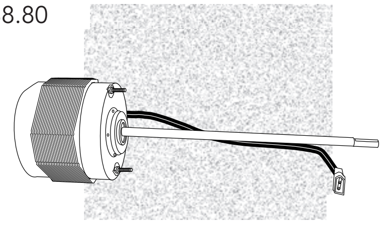
448/448E/448E2/548/648 COLD FOOD

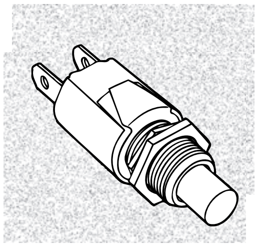
PRICE LABEL SET
H410R
5.00



AGITATOR MOTOR
Ref. # 40801846
H3118012R
88.80

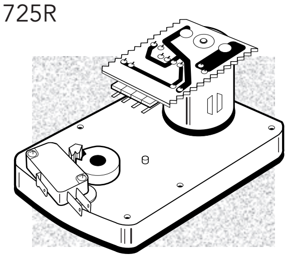


MOMENTARY SWITCH
27-1048-00
4.05

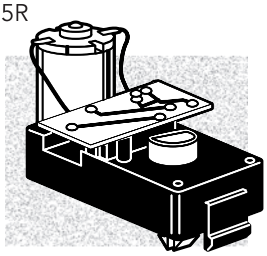


GLASS FRONTS

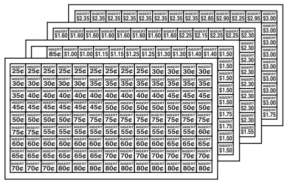
PRODUCT MOTOR
For 4900 Snack
H4901725R
18.45



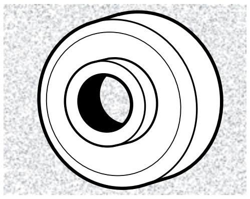
PRODUCT MOTOR
For 5900 Snack
H4931865R
14.55



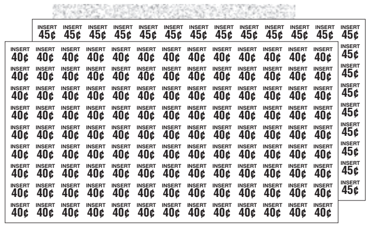
PRICE INSERTS
For 4900 Snack
27-1576-00
3.95



SHELF ROLLER
For 490/4900/5900
H4905R
.57



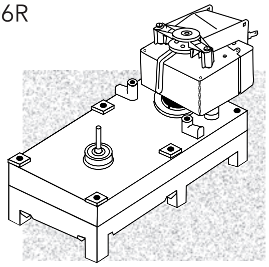
PRICE INSERTS
For Rowe 490/4900 Snack Machines



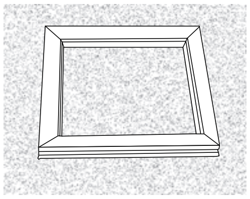
Part Number	Insert	Price per ea.
27-1276-00	.40 / .45	3.15
27-1277-00	.50 / .55	3.15
27-1278-00	.60 / .65	3.15
27-1279-00	.70 / .75	3.15
27-1280-00	.80 / .85	3.15

ICE CREAM

DRIVE MOTOR
H1121806R
49.10



DOOR GASKET
H9281725N
8.80



Part Number	Description	Price	Page
30-0190-00	Lock Cover	8.50	283
H010593RY	LED Assembly	53.10	282
H010770RY	Vend Motor Assembly	86.35	282
H010780RY	Vend Motor Assembly	44.20	282
H012124RY	LED Conversion Kit	354.90	283
H095180RY	Ballast Filter Kit	30.55	283
H210400RY	Evaporator Fan Motor Assembly	125.90	281
H256110RY	Small Water Bottle Vend Kit	14.52	281
H256121RY	Anti-Bridging Kit	74.95	283
H257110RY	Water Bottle Vend Kit	30.30	281
H803002RY	Leg Leveler	2.55	283
H810004RY	Fan Blade for Evaporator	3.20	281
H810045RY	8" Fan Blade	8.45	281
H812128RY	Lock-Cold Drink RVG 301	17.30	283
H815025RY	Pepsi/Cold Drink Select Button	2.59	281
H815037RY	Sponge	1.20	281
H815165RV	Coke Select Button	.79	281
H815368RY	Condensate Pan	3.50	281
H816016RY	Push Button	12.60	281
H822001001RY	Temperature Control	17.95	281
H822030RY	Temperature Sensor	45.95	283
H833003RY	Merlin 2000 Manual	1.20	282
H833020RY	Merlin IV Mini Manual	1.20	282
H833021RY	Merlin IV Manual	1.20	282
H833032RY	EZ Reference Card	1.20	282
H835001RY	Mini-Switch 225	2.05	281
H835003RY	Switch-Bull Nose Plunger	7.95	281
H835012RY	Select Switch Button	2.50	281
H835019RV	Door Switch	9.70	283
H836004RY	Drop Sensor 11" Landscape	28.00	282
H836012RY	LED Display	53.99	283
H836052RY	Control Board Version 5.11	315.00	282
H836065RY	Refrigeration Relay	12.30	—
H836068RY	Control Board Version 11.06	395.70	282
H836094RY	Control Board Version 41.06	292.30	282
H836101RY	Coinco Control Board	302.95	282
H838002RY	Ballast Kit	55.95	281
H839031RY	Vend Motor	19.65	282
H841010RY	Correct Change Lamp	2.95	283
H901001RY	T-Screw	.11	283
H914003RY	Sold Out Spring	.31	283
H915197RY	Anti-Friction Sheet	.81	283
H916010RY	Nyliner, 1/2	.20	283
HS141420RY	Service Refrigeration Unit	399.65	282
HS156430RY	Service Refrigeration Unit 3D Cap Start	409.50	282

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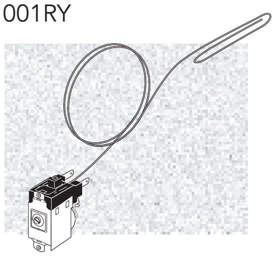
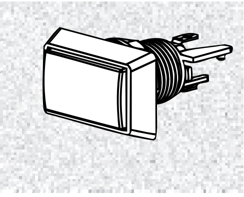
ROYAL VENDORS PARTS

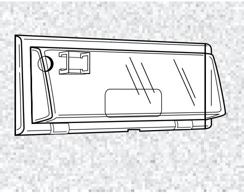
TEMPERATURE CONTROL
For all Vendors
H822001001RY
17.95



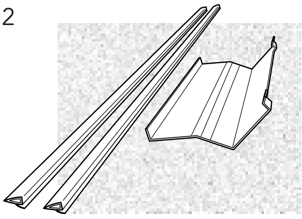
PUSH BUTTON
Display Vendor Only
H816016RY
12.60



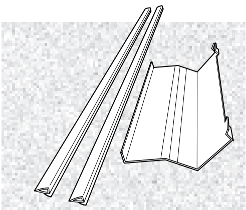
PEPSI / COLD DRINK SELECT BUTTON
For Merlin Machines except Display Machines
H815025RY
2.59



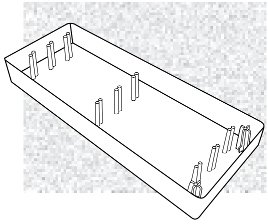
SMALL WATER BOTTLE VEND KIT
For 79"Merlin IV Machines
H256110RY
14.52



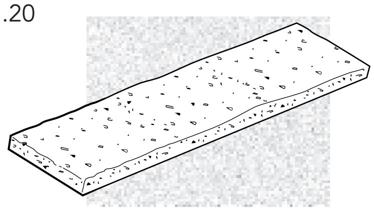
WATER BOTTLE VEND KIT
For 72"Merlin IV Machines
H257110RY
30.30



CONDENSATE PAN
For all machines
H815368RY
3.50

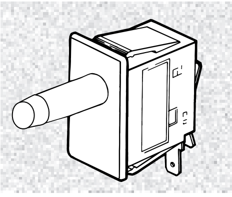


SPONGE
For all Machines
H815037RY
1.20

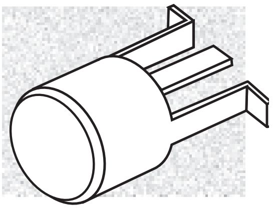


SWITCH-BULL NOSE PLUNGER
- .187" Terminals
- For all Electronic Vendor Machines
- Prior to run 1521

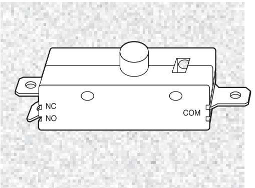
H835003RY
7.95



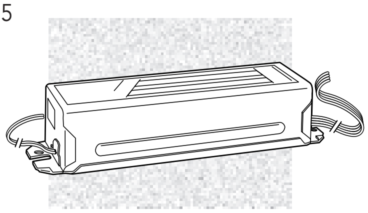
COKE SELECT BUTTON
For Coke Machines
H815165RV
.79



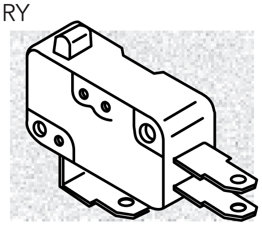
SELECT SWITCH BUTTON
For all Cold Drink Machines Except Live Display Machines
H835012RY
2.50



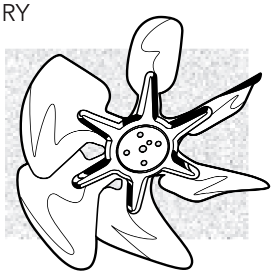
BALLAST KIT
For Pepsi / Cold Drink Machines
H838002RY
55.95



MINI-SWITCH 225
.187" Terminals
For Merlin IV Machines
H835001RY
2.05

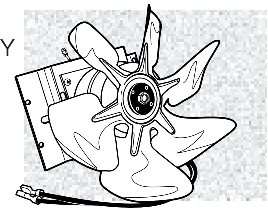


8" FAN BLADE
For Merlin IV and Coke Machines
H810045RY
8.45

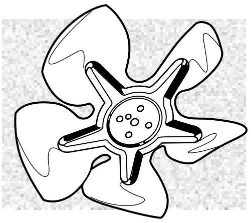


EVAPORATOR FAN MOTOR ASSEMBLY
- For GIII
- For Merlin IV Machines
- 35 Watt

H210400RY
125.90



FAN BLADE FOR EVAPORATOR
For 6 Watt Fan Motor
H810004RY
3.20



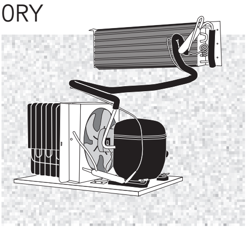
ROYAL VENDORS PARTS

SERVICE REFRIGERATION UNIT 3D CAP START

For Coke Machines

HS156430RY

409.50

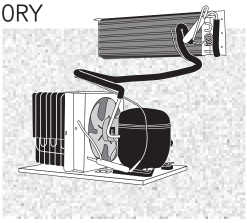


SERVICE REFRIGERATION UNIT

- 1/3 HP
- 115V
- For Merlin Ill Machines

HS141420RY

399.65

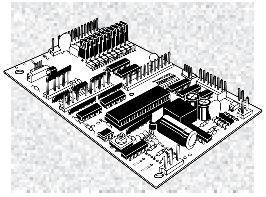


CONTROL BOARD VERSION 5.11

For Merlin 2000 Machines

H836052RY

315.00

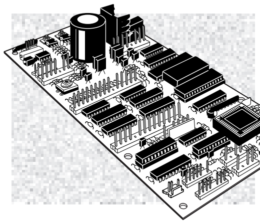


CONTROL BOARD VERSION 41.06

For Merlin IV Machines

H836094RY

292.30

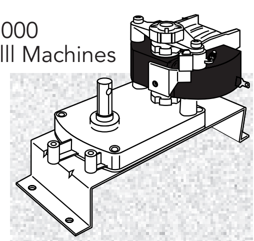


VEND MOTOR ASSEMBLY

- 2DP
- 3 Narrow
- For Merlin2000 and Merlin Ill Machines

H010770RY

86.35



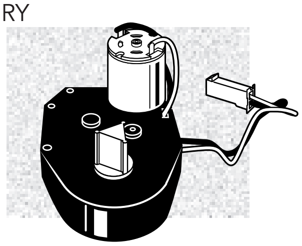
VEND MOTOR

M4 Triple D, Low Torque

For Merlin IV Machines

H839031RY

19.65



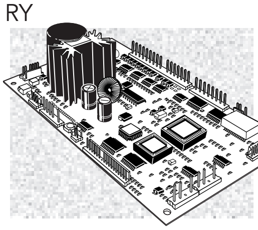
COINCO CONTROL BOARD

.187" Terminals

For Merlin IV Machines

H836101RY

302.95

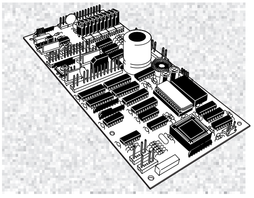


CONTROL BOARD VERSION 11.06

For Merlin Ill Machines

H836068RY

395.70



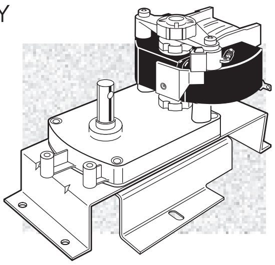
VEND MOTOR ASSEMBLY

For Wide Column

For Merlin IV Machines

H010780RY

44.20



EZ REFERENCE CARD

For Merlin IV Machines

H833032RY

1.20

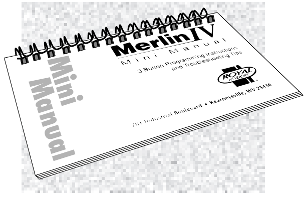
MerlinIV
EZ Reference Card
Customer Service:
(304) 728-7056 or (800) 931-9214
Quality • Innovation • Service

MERLIN IV MINI MANUAL

For Merlin IV Machines

H833020RY

1.20

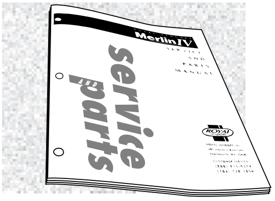


MERLIN IV MANUAL

For Merlin IV 3-Button Machines

H833021RY

1.20



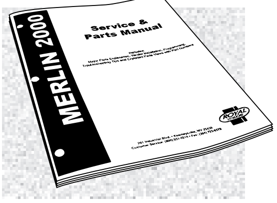
MERLIN 2000 MANUAL

For all 510 / 609 EV Machines

For Merlin 2000 Machines

H833003RY

1.20

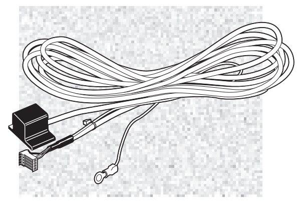


DROP SENSOR 11" LANDSCAPE

For All Merlin Vendors (2000, III, IV)

H836004RY

28.00

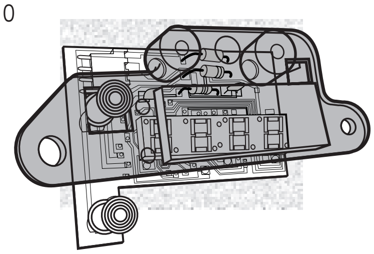


LED ASSEMBLY

For All Electronic Vendors

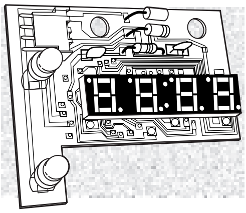
H010593RY

53.10

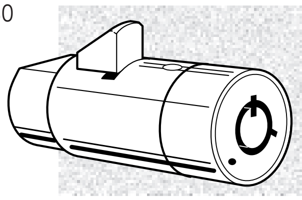


ROYAL VENDORS PARTS

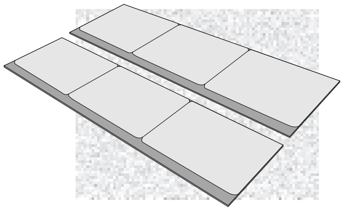
LED DISPLAY
For All Electronic Vendors
H836012RY
53.99



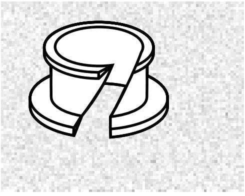
LOCK-COLD DRINK RVG 301
Generic key code
For all Vendors
H812128RY
17.30



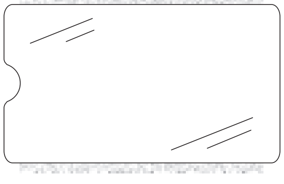
ANTI BRIDGING KIT
For Merlin IV Machines
H256121RY
74.95



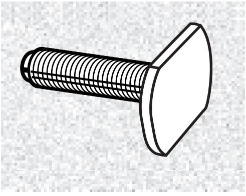
NYLINER, 1/2
For all Vendors
H916010RY
.20



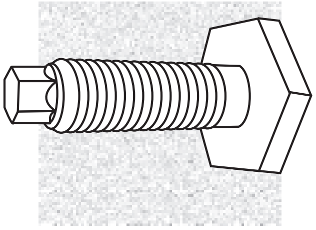
ANTI-FRICTION SHEET
H915197RY
.81



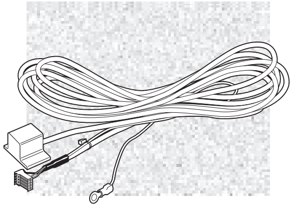
T-SCREW
.75" Overall Length
For all Machines
H901001RY
.11



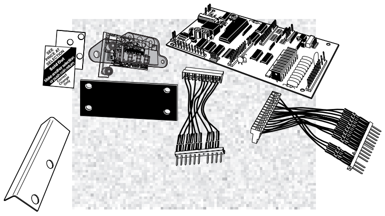
LEG LEVELER
For all Vendors
H803002RY
2.55



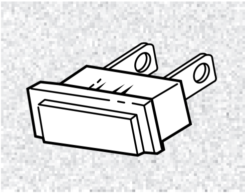
TEMPERATURE SENSOR
For Merlin Machines With Electronic Refrigeration
H822030RY
45.95



LED CONVERSION KIT
Version 5.11
H012124RY
354.90

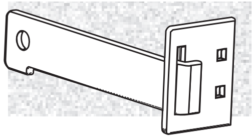


CORRECT CHANGE LAMP
For Electro-Mechanical Machines Only
H841010RY
2.95

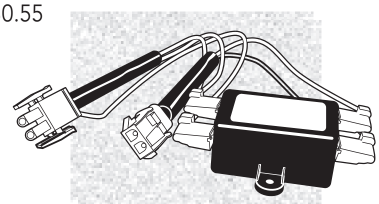


LOCK COVER
- Ref. # 141110
- Used on Vandal Resistant Coke machines (post serial # 1207) and Merlin IV machines
- Black powder coat finish

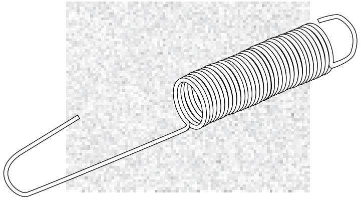
30-0190-00
8.50



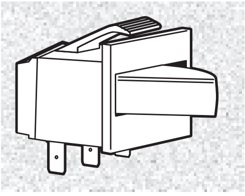
BALLAST FILTER KIT
For all Vendors
H095180RY
30.55



SOLD OUT SPRING
For all Vendors
H914003RY
.31



DOOR SWITCH
Run #1521 & After
H835019RV
9.70



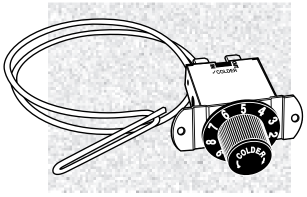
Part Number	Description	Price	Page
27-1253-00	Cold Drink Plexi, 407 Magnum Curve	127.35	–
27-1310-00	Cold Drink Plexi, 407	86.05	–
30-0120-00	Slam Nut Assembly	11.15	285
30-0187-00	Lock Cover	26.95	285
30-0188-00	Lock Cover	39.40	285
30-0189-00	Lock Cover	25.65	285
91-1160-00	Sold Out Lamp	1.15	285
H1033085V	Triple Nut Segment	5.00	285
H10629371V	Selector Button 6-7/8" x 2-5/8"	5.70	285
H1066104V	White Clip	.66	285
H1066112-1V	Grey Clip	1.35	285
H1066112V	Black Clip	1.60	285
H1112023V	Condensate Pan	2.85	–
H1116775V	Grey Select Button	.87	285
H124435V	Use Correct Change Lamp	3.15	–
H34324V	Cold Control	17.95	285
H350338V	Coin Return Flap Spring	2.45	–
H3564672V	Pull Tab Trim	4.70	–
H368794V	Cold Control	16.90	285
H369526V	Latch Handle Base	12.70	–
H370841V	Selector Button 2-5/8" x 3-5/8"	4.55	285
H385047V	Coin Insert Casting	19.70	–
H385894V	Black Cam	2.15	–
H388246V	Selector Button 3-1/4" x 1-3/8"	2.43	285
h388250v	Button	2.00	–
H388277V	Sold Out Light	2.00	–
H388388V	Button Housing Bezel	1.40	285
H389022V	Retainer Nut	4.40	285
H389689V	Heavy Duty Cap	1.60	285
H389690V	Heavy Duty Spring	1.10	285
H389780V	Coin Insert Plate Casting	27.85	–

HAPP CONTROLS SELLS BRAND NAME QUALITY

WESCO
ZIPPY
Master Lock
KROY®
Lynde-Ordway
S.E.M. inc.
PĀP-R Products
MAGLINER® Route Distribution Solutions
TERGO
LOCTITE®
mei
FEDERAL LOCK
KEP
OETIKER®
MAG LITE®
DURACELL®
Campbell®
WD-40
Diamond®/Xcelite®
CHERRY®
Embraco
Stavens
HAPP CONTROLS
Escort
Ardac®
Camie
EAGLE
portasol® P-1
AMERICAN LOCK®
KLOPP® INTERNATIONAL, INC.
MAGNUM
ROYAL VENDORS®
KESTER®
AZKOYEN
molex
ITW Devcon®
CashCode®
Dixie-Narco®
COOPER
3M
HUBBELL® Wiring Device Division
INSTANT KRAZY GLUE
TRIPP·LITE POWER PROTECTION
RAYOVAC®
NORTECH
Bussmann
EVERPURE®
BladeSmith®
Weller®/Ungar®
GATOR GRIP
Weller®
CONLUX
Wiss®
Plumb®
Lectro Truck® STAIR CLIMBING SYSTEM
MAG II 20
VELCRO® BRAND FASTENING SYSTEMS
Xcelite
IMONEX™
EVEREADY®
KEY-BAK® DIV. OF WEST COAST CHAIN MFG. CO.
GEMINI® THE ORIGINAL CONVERTIBLE HAND TRUCK
ADVANCE TRANSFORMER CO.
Crescent®
Dutro COMPANY

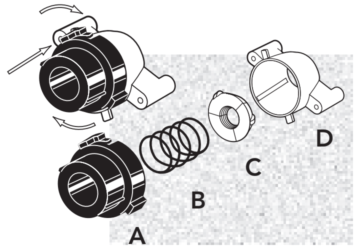
COLD CONTROL

H34324V
17.95



SLAM NUT ASSEMBLY

30-0120-00 Complete Assembly 11.15

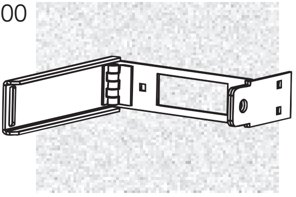


A	H389689V	Heavy Duty Cap	1.60
B	H389690V	Heavy Duty Spring	1.10
C	H1033085V	Triple Nut Segment	5.00
D	H389022V	Retainer Nut	4.40

LOCK COVER

- Ref. # 1037595
- Used on the 'Robo' door (All steel door) with adhesive sign face
- Black powder coat finish

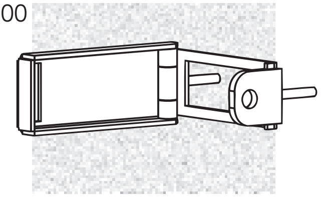
30-0187-00
26.95



LOCK COVER

- Ref. # 1047779-6
- Used on electronic Coke machines
- Black powder coat finish

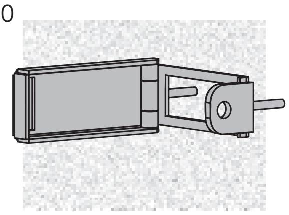
30-0188-00
39.40



LOCK COVER

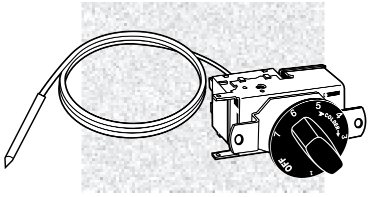
- Ref. # 1116899
- Used on Coke machines
- Red powder coat finish

30-0189-00
25.65



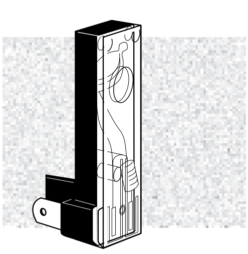
COLD CONTROL

H368794V
16.90



SOLD OUT LAMP

91-1160-00
1.15

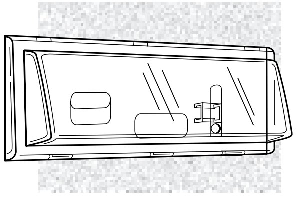


BUTTON HOUSING BEZEL

H388388V
1.40

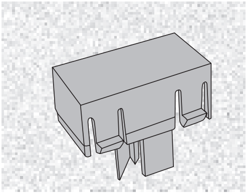
SELECTOR BUTTON -

H10629371V	6-7/8" x 2-5/8"	5.70
H370841V	2-5/8" x 3-5/8"	4.55
H388246V	3-1/4" x 1-3/8"	2.43

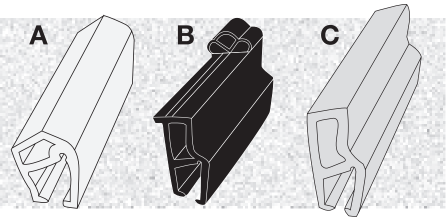


GREY SELECT BUTTON

H1116775V
.87



CLIPS



Part Number			Price per ea.
H1066104V	A	White Clip	.66
H1066112V	B	Black Clip	1.60
H1066112-1V	C	Grey Clip	1.35

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for NEW Product Updates!!

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www.happcontrols.com

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ORDER FORM

WHOLESALE ELECTRONICS
Division of Happ Controls

OFFICE USE ONLY: **SOURCE CODE:** ________________ **REP NO.** ____________________ ☐ **P.P.** ☐ **COL.** **MISC.** ____________________________
ORDER NUMBER ____ S.D. ______________________ I.H.D. ___________________________

BILL TO: ____ DATE: ________________________
____ ________________________ YOUR P.O. NO.
____

SHIP TO: ____ Terms: ________________________ F.O.B. Shipping Point
____ ________________________
____ **SALES TAX NUMBER**
Include copy of Tax Certificate

HAPP CUSTOMER NUMBER ☐☐☐☐☐☐ Phone No. (   ) ________________ FAX No. (   ) ________________

SHIP VIA: **U.P.S.** ☐ RED ☐ BLUE OTHER: ________________
☐ GROUND ☐ 3-Day Select TRUCK: ________________

For Explanation - See Below
CA ☐ Ship or Cancel
HO ☐ Hold and Ship Complete
OK ☐ OK to Backorder
BC ☐ OK to Backorder, but ship complete

LINE	QUANTITY	PART NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

MEMO:

Sub-Total		
State Sales Tax where applicable* Shipping Charges		
TOTAL		

NOTE: All orders are subject to Corporate Office approval. **Return of goods must be authorized.** Prices are subject to change without prior notice. *Tax applicable in AZ, CA, CO, DE, FL, GA, IL, IN, KS, KY, LA, MI, MN, MS, NH, NJ, NM, NV, NY, OH, OK, PA, SC, TN, TX, VA, WA, WI. Credit cards only.

☐ VISA ☐ MasterCard ☐ AMERICAN EXPRESS Cards Exp. Date ☐☐ ☐☐ Security Code ☐☐☐
☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

THANK YOU FOR YOUR ORDER.

X

CARD HOLDER SIGNATURE / ORDER AUTHORIZED BY
If you do not have an account with HAPP CONTROLS, please request a Credit Application. Credit card orders must have cardholders signature. Thank you for your cooperation!

SHIP OR CANCEL - Ship what we have, cancel the remainder.
HOLD AND SHIP COMPLETE - Hold the order until it can be shipped complete.
NO INSTRUCTIONS, or OK TO BACKORDER - Ship what we have, backorder the remainder.
OK TO BACKORDER, BUT SHIP COMPLETE - Ship what we have, ship backordered items together.

HAPP CONTROLS

106 GARLISCH DRIVE • ELK GROVE, IL 60007 • PHONE: 847-593-6130 • CREDIT DEPT. FAX: 847-952-5931

If you do not have an account with HAPP CONTROLS and a NET 30 OPEN ACCOUNT is desired, complete this credit application and submit for our processing along with your order. Or fax directly to our Credit Department at 847-952-5931.

REQUEST FOR NET 30 OPEN ACCOUNT

DATE:___________________

☐ NEW CUSTOMER ☐ PRESENT CUSTOMER CUSTOMER NO. ____________________

Tax Exempt? ☐ YES ☐ NO SALES EXEMPTION CERTIFICATE ____________________

(Please fax or send a copy of your Tax Certificate for our files)

BILL TO (Attention)	**SHIP TO (Attention)**
NAME: ____________________	NAME: ____________________
____________________	____________________
____________________	____________________
____________________	____________________
PHONE: ( ) ____________________ Area	Contact Person(s): ____________________
FAX: ( ) ____________________ Area	____________________

E-MAIL ADDRESS ____________________

F.E.I.N. or SOCIAL SECURITY NO. ____________________

BANK NAME: ____________________

ADDRESS: ____________________ CITY ____________ STATE ________ ZIP ________

(Exact address or closest intersecting street)

NAME OF BANK OFFICER TO CONTACT:____________________ PHONE: ( ) ____________
Area

CUSTOMER PERMISSION FOR BANK TO GIVE REFERENCES TO HAPP CONTROLS:

SIGNED: ____________________	BUSINESS CHECKING ACCOUNT NUMBER ____________
TITLE: ____________________	HOW LONG IN BUISNESS? ____________
BANK FAX NO.: ____________________	NUMBER OF EMPLOYEES ____________

☐ CORPORATION ☐ PARTNERSHIP ☐ PROPRIETORSHIP ☐ OTHER, EXPLAIN ____________

NAME OF OFFICER, PARTNER, OR OWNER:____________________ D&B ____________

TRADE REFERENCES (U.S. ONLY)

COMPANY NAME: ____________________ ADDRESS: ____________________
(INCLUDE CITY & STATE)
ACC NO. ____________________ FAX: ____________ PHONE: ____________

COMPANY NAME: ____________________ ADDRESS: ____________________
(INCLUDE CITY & STATE)
ACC NO. ____________________ FAX: ____________ PHONE: ____________

COMPANY NAME: ____________________ ADDRESS: ____________________
(INCLUDE CITY & STATE)
ACC NO. ____________________ FAX: ____________ PHONE: ____________

COMPANY NAME: ____________________ ADDRESS: ____________________
(INCLUDE CITY & STATE)
ACC NO. ____________________ FAX: ____________ PHONE: ____________

YOUR NAME (Please Print) ____________________

YOUR SIGNATURE ____________________ TITLE:____________________ DATE ____________

Please allow 2 weeks for processing of Credit Application.

APPROVED NET 30 YES ☐ NO ☐ OFFICE USE ONLY

DATE: ____________________ CREDIT MANAGER: ____________________

HAPP CONTROLS
106 Garlisch Drive • Elk Grove, IL 60007
www.happcontrols.com

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____ ________________________
____

SALES TAX NUMBER
Include copy of Tax Certificate

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MEMO:

Sub-Total		
State Sales Tax where applicable* Shipping Charges		
TOTAL		

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☐ VISA ☐ MasterCard ☐ AMERICAN EXPRESS Cards Exp. Date ☐☐ ☐☐ Security Code ☐☐☐

☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

X ______________________________

CARD HOLDER SIGNATURE / ORDER AUTHORIZED BY

THANK YOU FOR YOUR ORDER.

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106 GARLISCH DRIVE • ELK GROVE, IL 60007 • PHONE: 847-593-6130 • CREDIT DEPT. FAX: 847-952-5931

If you do not have an account with HAPP CONTROLS and a NET 30 OPEN ACCOUNT is desired, complete this credit application and submit for our processing along with your order. Or fax directly to our Credit Department at 847-952-5931.

REQUEST FOR NET 30 OPEN ACCOUNT

DATE:____________________

☐ NEW CUSTOMER ☐ PRESENT CUSTOMER CUSTOMER NO. ________________________________

Tax Exempt? ☐ YES ☐ NO SALES EXEMPTION CERTIFICATE ________________________________

(Please fax or send a copy of your Tax Certificate for our files)

BILL TO (Attention)

NAME: ________________________________

____

____

____

PHONE: (   ) ________________________________
Area

FAX: (   ) ________________________________
Area

E-MAIL ADDRESS ________________________________

F.E.I.N. or SOCIAL SECURITY NO. ________________________

SHIP TO (Attention)

NAME: ________________________________

____

____

____

Contact Person(s): ________________________________

____

BANK NAME: ________________________________

ADDRESS: ________________________________ CITY ____________________ STATE _________ ZIP __________
(Exact address or closest intersecting street)

NAME OF BANK OFFICER TO CONTACT: ________________________________ PHONE: (   ) ________________
Area

CUSTOMER PERMISSION FOR BANK TO GIVE REFERENCES TO HAPP CONTROLS:

SIGNED: ________________________________

TITLE: ________________________________

BANK FAX NO.: ________________________________

BUSINESS CHECKING ACCOUNT NUMBER ______________

HOW LONG IN BUISNESS? ________________________

NUMBER OF EMPLOYEES ________________________

☐ CORPORATION ☐ PARTNERSHIP ☐ PROPRIETORSHIP ☐ OTHER, EXPLAIN ________________

NAME OF OFFICER, PARTNER, OR OWNER: ________________________________ D&B ________________________

TRADE REFERENCES (U.S. ONLY)

COMPANY NAME: ________________________________ ADDRESS: ________________________________
(INCLUDE CITY & STATE)

ACC NO. ________________________________ FAX: ________________________ PHONE: ________________________

COMPANY NAME: ________________________________ ADDRESS: ________________________________
(INCLUDE CITY & STATE)

ACC NO. ________________________________ FAX: ________________________ PHONE: ________________________

COMPANY NAME: ________________________________ ADDRESS: ________________________________
(INCLUDE CITY & STATE)

ACC NO. ________________________________ FAX: ________________________ PHONE: ________________________

COMPANY NAME: ________________________________ ADDRESS: ________________________________
(INCLUDE CITY & STATE)

ACC NO. ________________________________ FAX: ________________________ PHONE: ________________________

YOUR NAME (Please Print) ____________________________

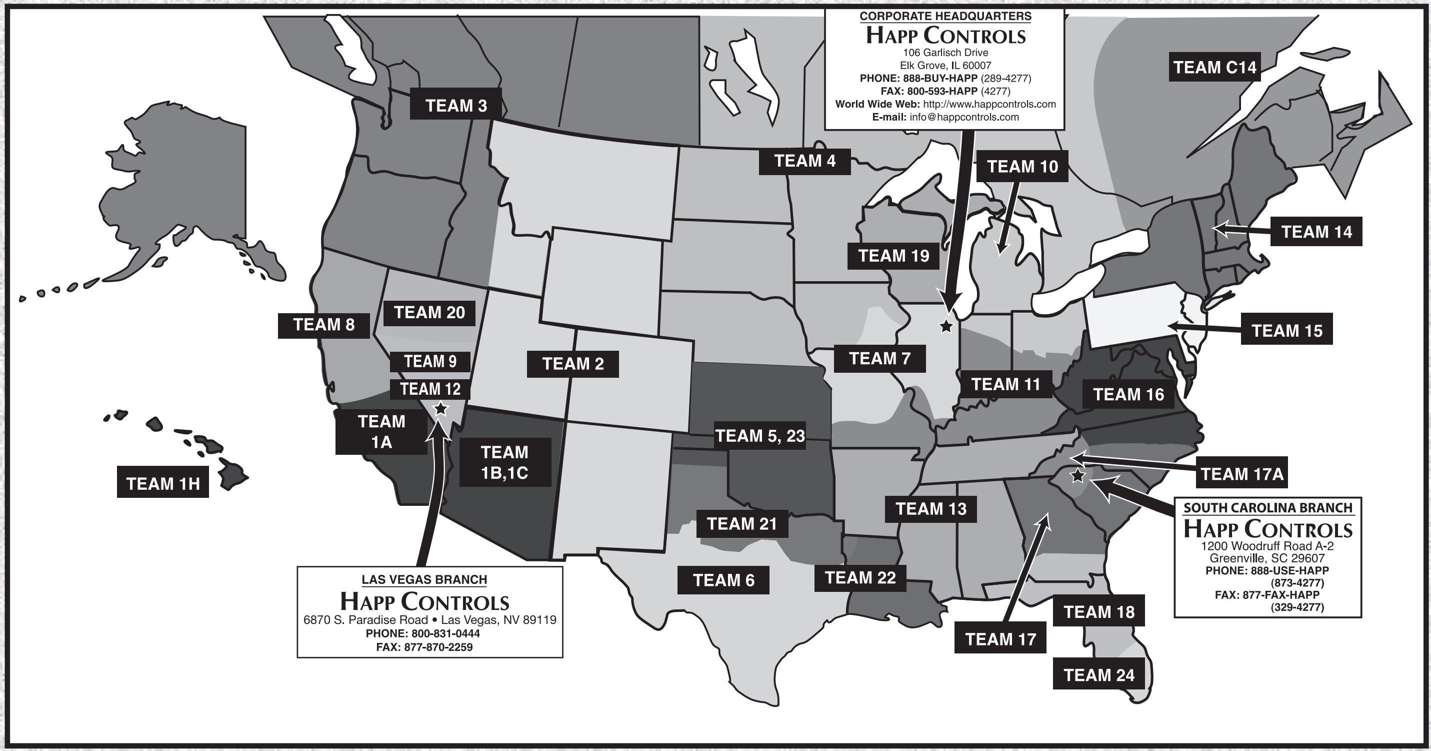
YOUR SIGNATURE ________________________________ TITLE: ____________________________ DATE ________________

Please allow 2 weeks for processing of Credit Application.

APPROVED NET 30 YES ☐ NO ☐ OFFICE USE ONLY

DATE: ____________________________ CREDIT MANAGER: ____

NORTH AMERICAN SALES



CORPORATE HEADQUARTERS
HAPP CONTROLS
106 Garlisch Drive
Elk Grove, IL 60007
PHONE: 888-BUY-HAPP (289-4277)
FAX: 800-593-HAPP (4277)
World Wide Web: http://www.happcontrols.com
E-mail: info@happcontrols.com

LAS VEGAS BRANCH
HAPP CONTROLS
6870 S. Paradise Road • Las Vegas, NV 89119
PHONE: 800-831-0444
FAX: 877-870-2259

SOUTH CAROLINA BRANCH
HAPP CONTROLS
1200 Woodruff Road A-2
Greenville, SC 29607
PHONE: 888-USE-HAPP (873-4277)
FAX: 877-FAX-HAPP (329-4277)

HAPP CONTROLS SALES DEPARTMENT

EXPERIENCE - THE DIFFERENCE!!

Happ Controls talented sales staff brings you over 450 years of combined experience

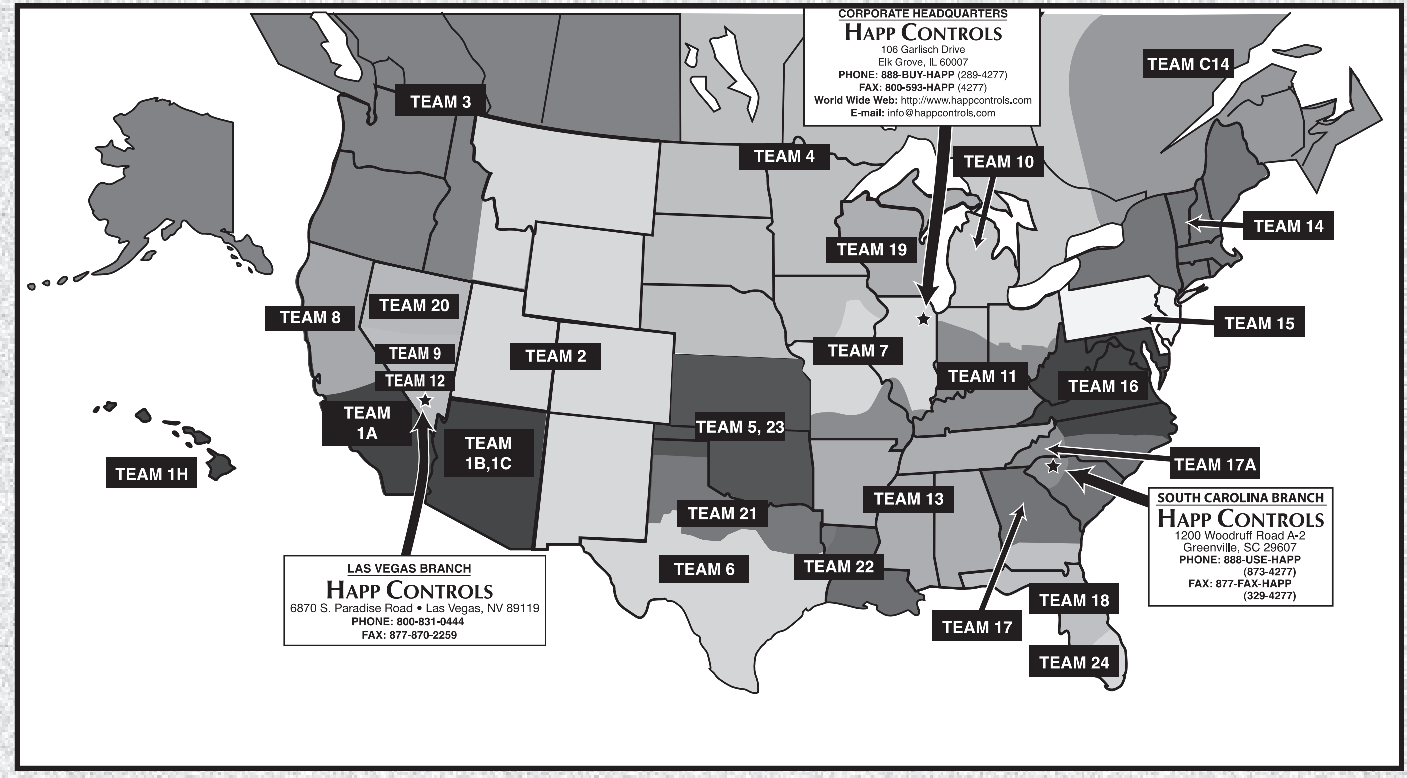
The outside sales force, combined with the inside sales force, establishes Happ Controls as the most experienced sales staff within the Coin-Operated parts industry.

These industry veterans are proudly representing Happ Controls product lines for the Gaming, Amusement, Vending, and Industrial industries.

At Happ Controls, we have assembled special sales teams to take care of your parts needs. Each team contains both an outside sales representative plus an inside sales representative. Together this team offers you many years of industry experience and will assist you in providing the best products to aid in the effective operation of your company.

Use the map on the next page to determine which experienced sales team covers your area. Then use the following pages to reference the many convenient ways for you to contact them; via phone, fax, e-mail or voice mail. For OEM, Industrial or Export sales staff please see page 294.

NORTH AMERICAN SALES



CORPORATE HEADQUARTERS
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FAX: 877-870-2259

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(329-4277)

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e-mail: art.melesio@happcontrols.com

Tim Lynch

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Kathleen O'Brien

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Laura Rossetti

Inside Sales Manager
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Cell: 847-867-0556
e-mail: laura.rossetti@happcontrols.com

Haro • Kotas • Ostrega • Gorski • Anderson

TEAM 1

Outside Sales Rep.
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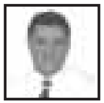
Tel: 800-511-1796, Ext. 7233
Cell: 909-453-9374
Fax: 909-899-8977
e-mail: julianne.haro@happcontrols.com



Inside Sales Rep.
(T1H & T1B Amus. & Vend.)
Art Kotas
Tel: 800-511-1796, Ext. 7186
Fax: 800-593-HAPP(4277)
e-mail: art.kotas@happcontrols.com

Inside Sales Rep.
(T1C Gaming)
Cindy Ostrega
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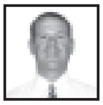
Fax: 800-593-HAPP(4277)
e-mail: cindy.ostrega@happcontrols.com



Outside Sales Representative
Bruce Anderson (T1B,T1C Arizona)
Tel: 800-511-1796, Ext. 7261
Cell: 847-770-2823
Fax: 480-443-1011
Office: 480-368-7190
e-mail: bruce.anderson@happcontrols.com

Inside Sales Representative
Lin Gorski (T1A & T1G)
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e-mail: lin.gorski@happcontrols.com

HAPP CONTROLS • Pitt

TEAM 3

HAPP
CONTROLS

Call 1-888-BUY-HAPP
For information on your
Sales Rep for this area.

Inside Sales Representative
Judy Pitt
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Fax: 800-593-HAPP(4277)
e-mail: judy.pitt@happcontrols.com

Segedie • Ostrega

TEAM 2

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Cell: 847-867-0621
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Inside Sales Representative
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Fax: 800-593-HAPP(4277)
e-mail: cindy.ostrega@happcontrols.com

Bloomquist • Ostrega

TEAM 4

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Fax: 507-533-9592
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Inside Sales Representative
Cindy Ostrega
Tel: 800-511-1796, Ext. 7187
Fax: 800-593-HAPP(4277)
e-mail: cindy.ostrega@happcontrols.com

***NOTE: All reps. cover all industries unless otherwise specified**

Wasilewski • Goranson — TEAM 5, 23

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Fax: 214-975-2845
e-mail: bob.wasilewski@happcontrols.com

Inside Sales Representative
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Fax: 800-593-HAPP(4277)
e-mail: wayne.goranson@happcontrols.com

Murray • Trivits — TEAM 7

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Inside Sales Representative
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e-mail: dan.trivits@happcontrols.com

Haro • Swarthout — TEAM 9

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Kenney • Malinski — TEAM 11

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e-mail: sylvia.malinski@happcontrols.com

Butler • Goranson — TEAM 13

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Fax: 877-553-6515
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e-mail: wayne.goranson@happcontrols.com

Welch • Geary — TEAM 6

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Inside Sales Representative
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Fax: 800-593-HAPP(4277)
e-mail: michelle.geary@happcontrols.com

Coughlin • Pitt — TEAM 8 & 28

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Fax: 707-456-1042
e-mail: mike.coughlin@happcontrols.com

Inside Sales Representative
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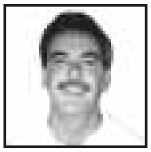
Fax: 800-593-HAPP(4277)
e-mail: judy.pitt@happcontrols.com

Younce • Rossetti — TEAM 10



Outside Sales Representative
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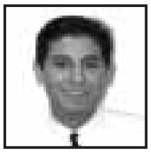
Tel: 800-511-1796, Ext. 7400
Office: 888-566-5814
Cell: 847-867-0626
Fax: 586-247-2880
e-mail: chris.younce@happcontrols.com



Inside Sales Representative
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Tel: 800-511-1796, Ext. 7142
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e-mail: chris.rossetti@happcontrols.com

HAPP CONTROLS • Swarthout — TEAM 12

HAPP CONTROLS

Call 1-888-BUY-HAPP
For information on your
Sales Rep for this area.

Inside Sales Representative
Candice Swarthout
Tel: 800-511-1796, Ext. 7620
Fax: 702-891-9117
Cell: 702-210-7836
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Gumeny • Rossetti — TEAM 14

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Phone: 732-297-6896
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Rossetti

TEAM C14

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Hamm • Petersen

TEAM 16

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Redwitz • Gumeny • Petersen

TEAM 17, 17A

Outside Sales Representative (T17A Only)
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Fax: 770-974-7057
Office: 770-975-3469
e-mail: joe.gumeny@happcontrols.com

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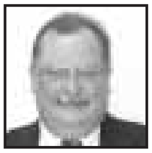
Fax: 800-593-HAPP(4277)
e-mail: toni.petersen@happcontrols.com

Skowlund • Trivits

TEAM 19



Outside Sales Representative
Eric Skowlund
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Cell: 847-867-0628
Fax: 262-677-4372
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Inside Sales Representative
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Butler • Kotas

TEAM 22

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Mayra Briseno

TEAM TM

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Anderson • Malinski

TEAM 15

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Inside Sales Representative
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Boyd • Geary

TEAM 18

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Anderson • Swarthout

TEAM 20

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Wasilewski • Kotas

TEAM 21

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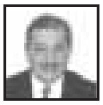
Riolo • Geary • Briseno

TEAM 24, 25



Outside Sales Representative (T24 & 25)
Jim Riolo
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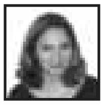
Fax: 800-593-HAPP(4277)
e-mail: michelle.geary@happcontrols.com



Inside Sales Representative (T25 only)
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Jay Pollitt

Sale Manager-Display Products
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Jackie Galbraith

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Eileen Malloy

OEM Sales Support
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e-mail: eileen.malloy@happcontrols.com

Jim Belt

Sales Account Manager
Jim Belt
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Cell: 630-212-0871
Fax: 847-952-3290
e-mail: jim.belt@happcontrols.com

Dick Gilreath

OEM Technical Sales Representative
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Cell: 630-240-1533
e-mail: dick.gilreath@happcontrols.com

EXPORT SALES

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(Central & South America)
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Fax: 847-593-6137
e-mail: mayra.briseno@happcontrols.com

Jennifer Wright

Inside Sales Representative
(APAC - Asia, Pacific)
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Fax: 847-593-6137
e-mail: jennifer.wright@happcontrols.com

STAY CONNECTED WITH happcontrols.com

At **HAPP CONTROLS** we believe in the importance of providing information to our customers. Therefore, we have developed a web site to keep you informed of new things at Happ Controls.

Corporate Web Site

Within this section you will find general updated information on Happ Controls, product support, upcoming trade shows, press releases, access to our on-line catalogs, new products, on-line ordering, and monthly specials.

On-Line Catalogs

Allows you to view our Amusement, Gaming, Vending and Industrial products with just a click of the mouse. You will find our on-line catalogs easy to navigate, with illustrations, current prices, availability, and technical information.

New Products

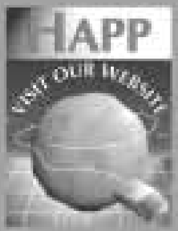
New and innovative products are developed and introduced on a continual basis. Some are so new they do not appear within the printed catalog. We suggest you check out the New Products section frequently to be aware of the latest product offerings from Happ Controls.

On-Line Ordering

The ehapp shopping cart system allows you to easily build a secure on-line order with current pricing and availability, 24 hours a day / 7 days a week. Other on-line benefits of ehapp include viewing the status or history of orders, easy duplication of previous orders, and e-mail notification with tracking information upon shipment of ehapp orders. Along with numerous other features. See other side for full details.

Monthly Specials

In order to keep our customers informed of the latest specials, we place copies of our sale flyers on our web site. To view, simply click and enjoy the savings.



Call 888-BUY-HAPP To Order

happcontrols.com

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Welcome to the Exciting World of

happcontrols.com

eHAPP

Happ Controls is proud to present ehapp, the Happ Controls on-line shopping experience....

The ehapp shopping cart system allows you to easily build a secure on-line order with current pricing and availability, 24 hours a day / 7 days a week. Other on-line benefits of ehapp include viewing the status or history of orders, easy duplication of previous orders, and e-mail notification with tracking information upon shipment of ehapp orders.

Your ehapp Account

- Open 24 hours a day / 7 days a week
- Secure on-line ordering
- Convenient and easy to use
- Customer Statement - Provides you with an up-to-date statement of your account
- Reprint Invoices - Allows you to view and reprint invoices within the past 15, 30, 60, 90, 120, 150, and 180 days
- Pay Invoices by Credit Card - Allows you to take existing unpaid invoices and pay full or partial payment by credit card
- Update customer account information
- Real-Time pricing

Build An Order

- Easy navigation
- Up to the minute pricing
- View stock availability
- e-mail notification upon shipment of order
- Tracking information e-mailed to you

Check Status Of Orders

- Look-up Happ order number
- Find out if the order has been shipped

Display Order History

- View complete orders
- Search by purchase order number or order date
- Obtain shipping information with tracking number
- Easily duplicate orders

View Item History

- View items previously purchased by item number or date
- Easily build a new order by clicking on previously purchased items and adding them to the shopping cart

happcontrols.com

The web site also includes
access to new products
and monthly specials.

eHAPP

Begin your on-line ehapp experience today!

Delivery questions? Magline answers.

Magline, the industry leader in route distribution, has several hand trucks ready to fulfill your delivery needs. The Gemini Jr. and Sr., Five Bottle Water Truck and our standard hand trucks are all strong and lightweight. And, drivers using Magline hand trucks increase productivity and safety. Whatever delivery environment you work in, Magline has the solution for you.

Gemini Jr./ Gemini Sr.

The Original Convertible Hand Truck

- 2-in-1 truck converts from two to four wheels in seconds
- All parts are replaceable for longer product life
- High capacity reduces trips from truck to store

Magliner Hand Trucks

America's Favorite Hand Trucks

- Constructed from lightweight materials
- 500-pound capacity
- Components and accessories available to customize your truck

Five Bottle Water Truck

Adaptable Bottled Water Delivery Solution

- Adjustable rubber stops help keep bottles in place
- Folding trays for use with bottles or cases

The Challenge is Productivity.
The Solution is Magline.

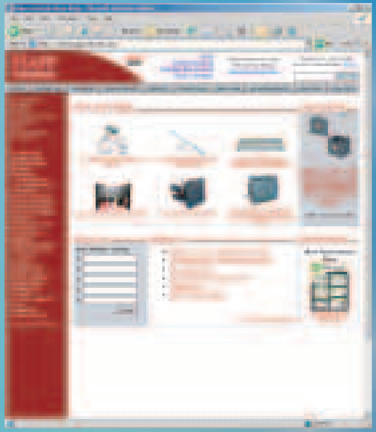
MAGLINER®
Route Distribution Solutions

For more Magliner products see pages 147 thru 152.

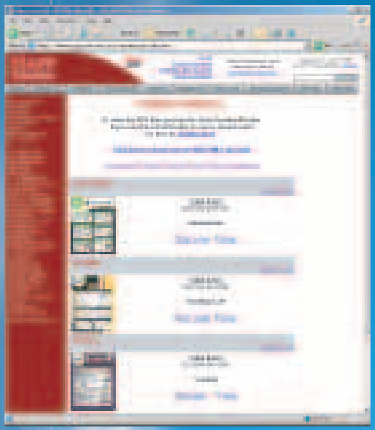
Accessories	**192**
Bill Validators	**173**
Cleaning & Maintenance	**97**
Coin & Currency	**162**
Credit Application	**287**
Electrical Supplies	**17**
Labels	**216**
Lighting	**7**
Material Handling	**147**
Order Form	**286**
Security	**113**
Tools	**53**
Vending Parts	**221**
Video Surveillance	**135**

HAPP CONTROLS

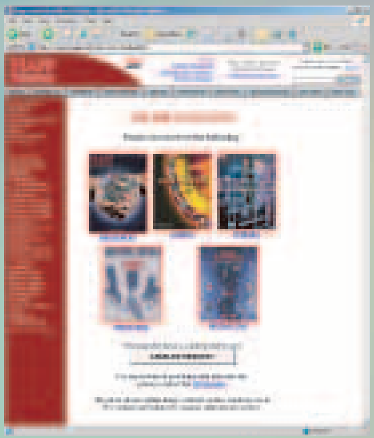
106 GARLISCH DRIVE
Elk Grove Village, IL 60007
888-BUY-HAPP(289-4277)



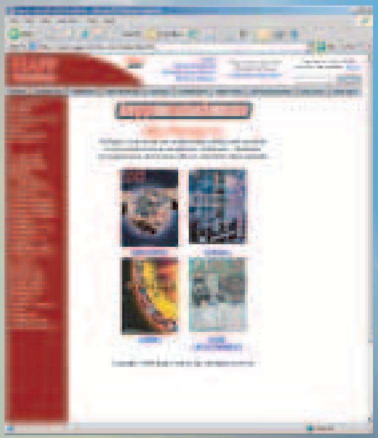
CORPORATE WEBSITE



MONTHLY SPECIALS



ON-LINE CATALOG



NEW PRODUCTS